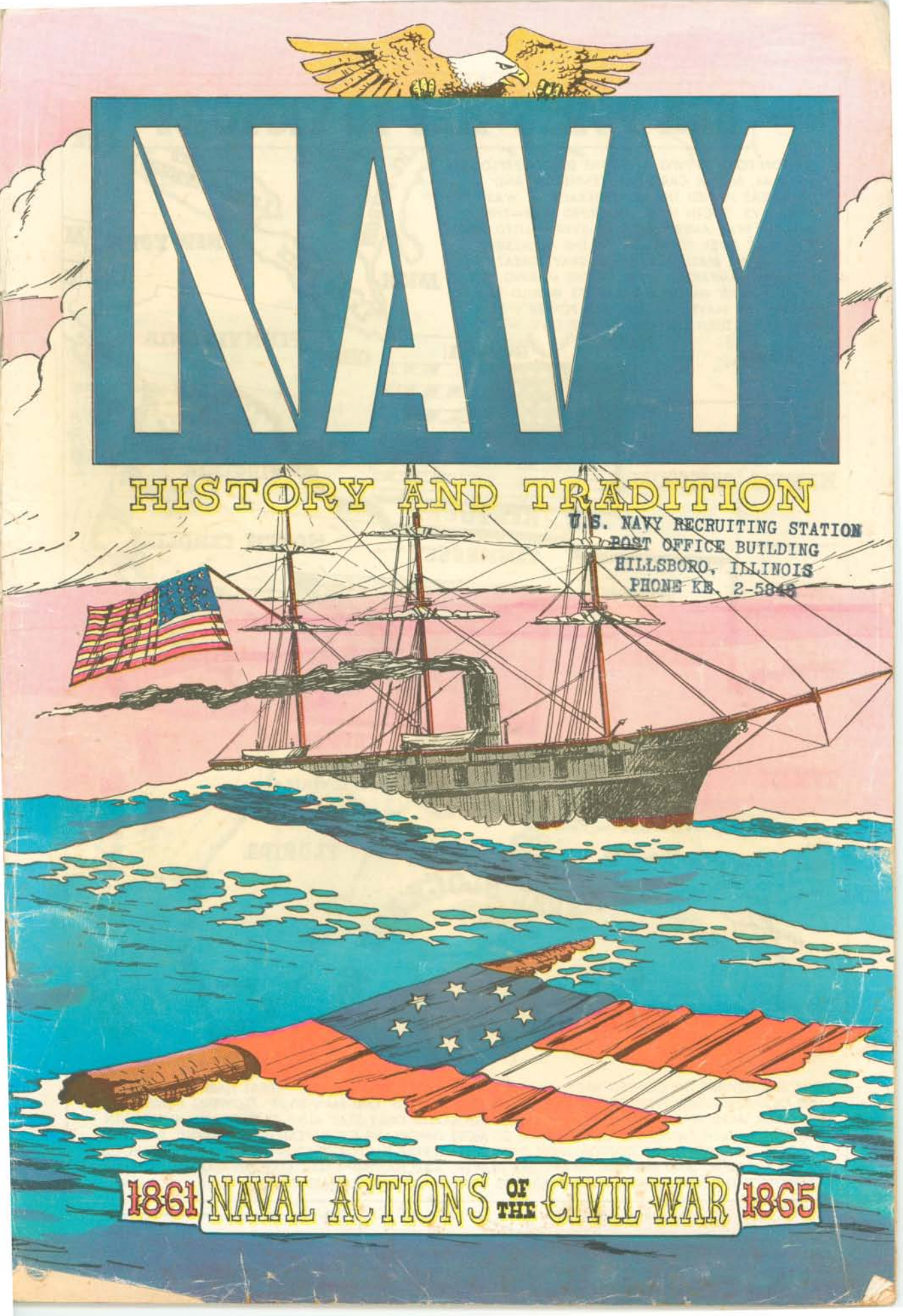
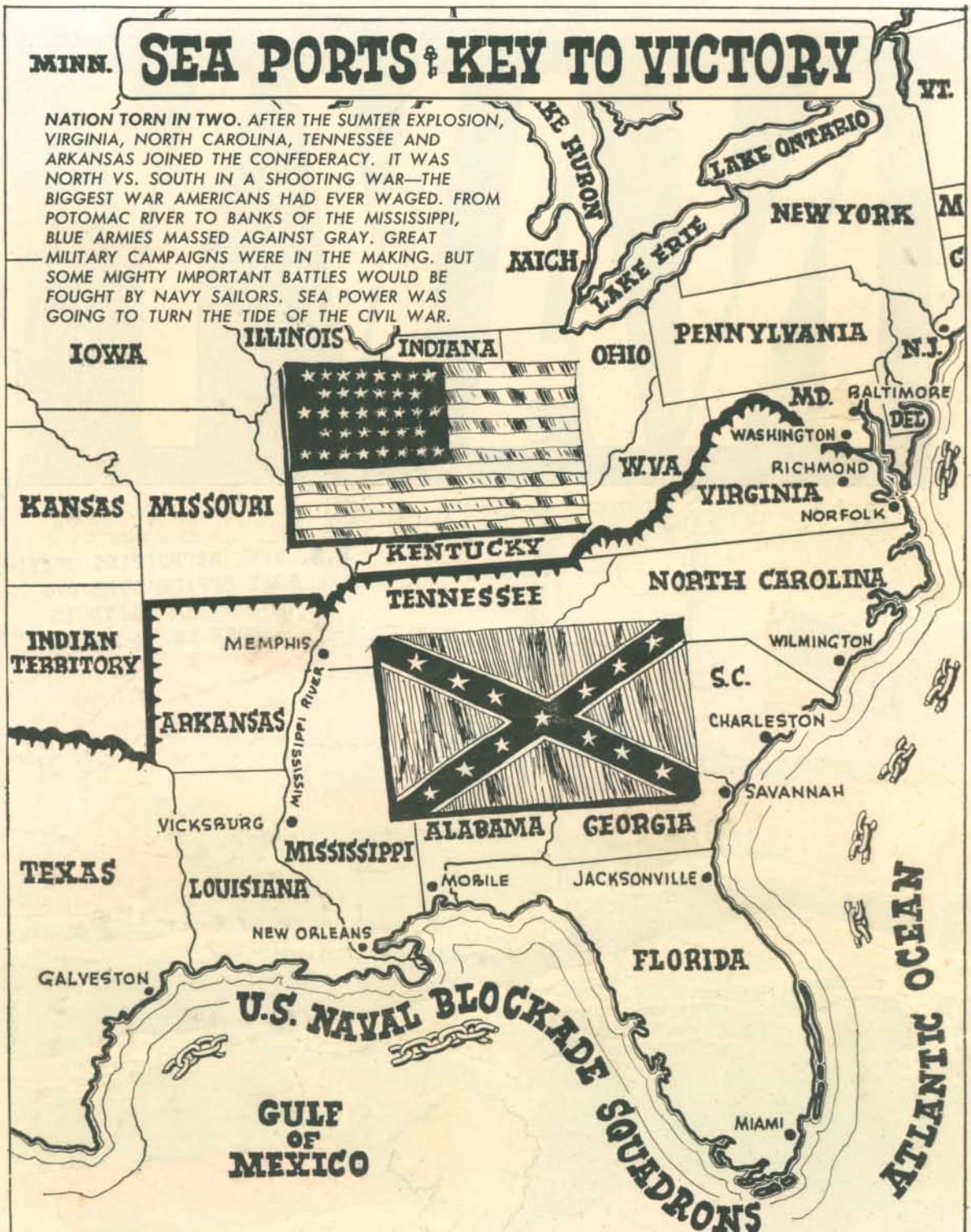

NAVY
HISTORY AND TRADITION
U.S. NAVY RECRUITING STATION
POST OFFICE BUILDING
HILLSBORO, ILLINOIS
PHONE KE. 2-5848
1861 NAVAL ACTIONS OF THE CIVIL WAR 1865


SEA PORTS : KEY TO VICTORY
NATION TORN IN TWO. AFTER THE SUMTER EXPLOSION, VIRGINIA, NORTH CAROLINA, TENNESSEE AND ARKANSAS JOINED THE CONFEDERACY. IT WAS NORTH VS. SOUTH IN A SHOOTING WAR—THE BIGGEST WAR AMERICANS HAD EVER WAGED. FROM POTOMAC RIVER TO BANKS OF THE MISSISSIPPI, BLUE ARMIES MASSED AGAINST GRAY. GREAT MILITARY CAMPAIGNS WERE IN THE MAKING. BUT SOME MIGHTY IMPORTANT BATTLES WOULD BE FOUGHT BY NAVY SAILORS. SEA POWER WAS GOING TO TURN THE TIDE OF THE CIVIL WAR.
MINN.
VT.
LAKE HURON
LAKE ONTARIO
NEW YORK
MICH.
LAKE ERIE
IOWA
ILLINOIS
INDIANA
OHIO
PENNSYLVANIA
N.J.
MD.
BALTIMORE
DEL.
WASHINGTON
W.VA.
RICHMOND
VIRGINIA
NORFOLK
KANSAS
MISSOURI
KENTUCKY
TENNESSEE
NORTH CAROLINA
INDIAN TERRITORY
MEMPHIS
WILMINGTON
S.C.
ARKANSAS
MISSISSIPPI RIVER
CHARLESTON
SAVANNAH
VICKSBURG
ALABAMA
GEORGIA
MISSISSIPPI
TEXAS
LOUISIANA
MOBILE
JACKSONVILLE
NEW ORLEANS
FLORIDA
GALVESTON
U.S. NAVAL BLOCKADE SQUADRONS
ATLANTIC OCEAN
GULF OF MEXICO
MIAMI
WHY SEA POWER? THE CONFEDERACY HAD OVER 3,000 MILES OF COASTLINE. GREAT HARBORS, SEAPORTS AND OCEAN BEACHES VITAL TO THE LIFE OF THE SOUTH. AND "OLD MAN RIVER" FLOWING DOWN TO THE DELTA, ALSO VITAL. WHY? BECAUSE THE SOUTH COULD ONLY STAY ALIVE BY SHIPPING. THE SOUTH WAS LIKE A GIANT FARM, AND COTTON WAS ITS MOST IMPORTANT CROP. "COTTON IS KING!" SAID THE PLANTERS. BUT UNLESS THE COTTON WERE SHIPPED TO TEXTILE FACTORIES OVERSEAS, THE SOUTH WOULD DIE ON THE VINE. AND SHIPPING MEANT SEA POWER. MERCHANTMEN TO CARRY THE CARGO. A NAVY TO PROTECT THE MERCHANTMEN. WARSHIPS TO DEFEND THE CONFEDERATE COAST.

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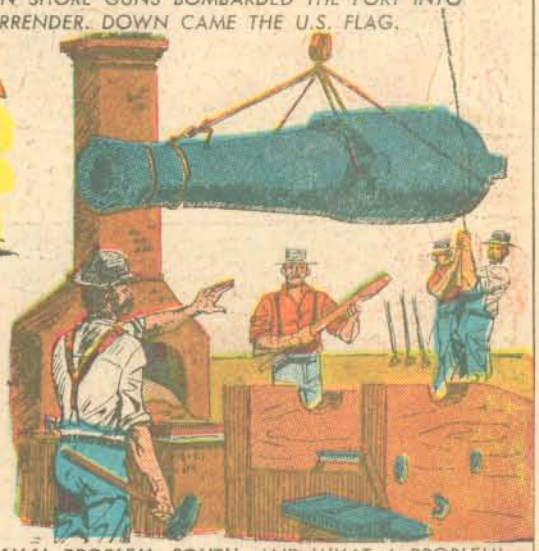
BACKGROUND TO SEAWARFARE

1861

HARBOR EXPLOSION! FORT SUMTER WAS THE POWDER KEG IN APRIL '61. BUT THE FUSE HAD BEEN BURNING FOR A LONG TIME. SOON AFTER LINCOLN WAS ELECTED PRESIDENT (NOVEMBER) 1860) SOUTH CAROLINA QUIT THE UNION. SEVEN OTHER SOUTHERN STATES, INCLUDING THOSE ON THE GULF, QUICKLY FOLLOWED SUIT. IN JANUARY '61 THE FEDERAL GOVERNMENT SENT SUPPLIES TO FORT SUMTER IN CHARLESTON HARBOR. REBEL SHORE BATTERIES OPENED FIRE ON THE SUPPLY SHIP **STAR OF THE WEST**. THE FIRST SHOTS OF THE CIVIL WAR ECHOED ACROSS SALT WATER.

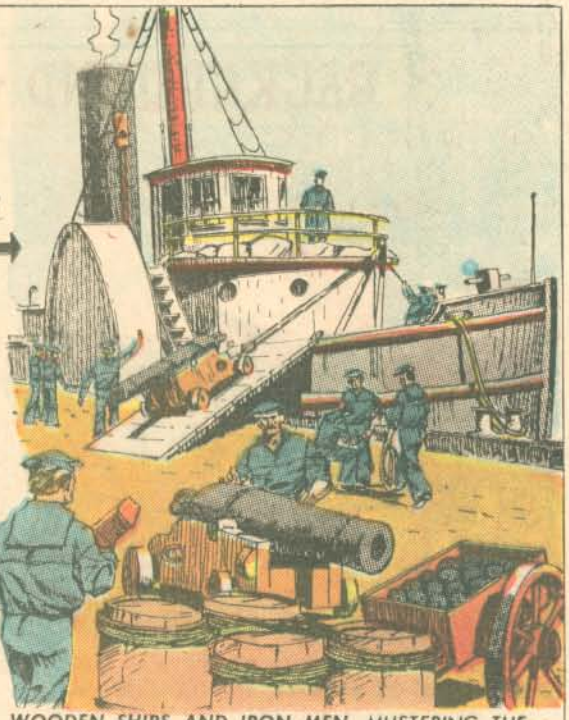
FORT UNDER FIRE! SUMTER GUARDED THE ENTRANCE TO THE GREAT SEAPORT OF CHARLESTON. THE UNARMED **STAR OF THE WEST** WAS DRIVEN OUT. BUT THE STARS AND STRIPES STILL FLEW OVER SUMTER. NORTH AND SOUTH TEETERED ON THE BRINK OF WAR WHEN LINCOLN ENTERED THE WHITE HOUSE IN MARCH '61. LINCOLN DETERMINED TO SEND FEDERAL REINFORCEMENTS TO SUMTER. A NAVAL EXPEDITION WAS DISPATCHED. CHARLESTON SHORE GUNS BOMBARDED THE FORT INTO SURRENDER. DOWN CAME THE U.S. FLAG.

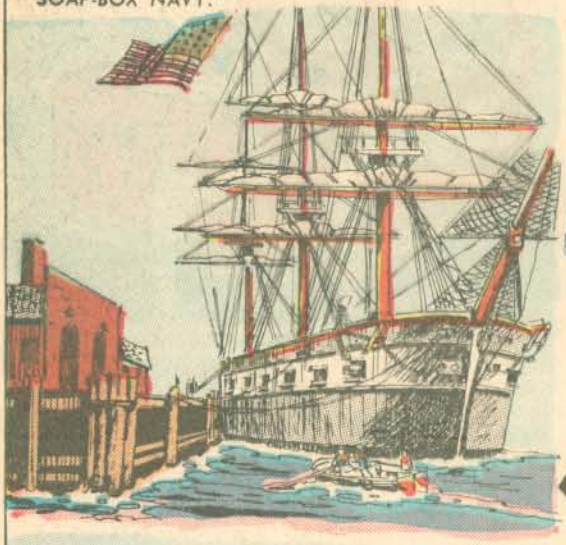
BLOCKADE! ON APRIL 19, 1861, LINCOLN PROCLAIMED A GIANT NAVAL BLOCKADE OF THE CONFEREDATE COAST. OBJECT: TO STOP ALL SOUTHERN SHIPPING. CONFEDERATE PRESIDENT JEFFERSON DAVIS COUNTERED BY CALLING FOR PRIVATEERS TO RAID NORTHERN SHIPPING. OUT CAME REBEL BLOCKADE-RUNNERS TO CARRY SOUTHERN COTTON ACROSS THE ATLANTIC AND RETURN WITH MUCH NEEDED MILITARY SUPPLIES. THE SEA WAR WAS ON!



NAVAL PROBLEM, SOUTH. AND WHAT A PROBLEM! ALMOST BLINDLY THE CONFEDERATES PLUNGED INTO A SEA WAR WITHOUT A SINGLE NAVAL VESSEL. NOR DID THE SOUTH HAVE SHIPYARDS AND MACHINE SHOPS EQUIPPED TO CONSTRUCT HEAVY WARSHIPS. BUT CONFEDERATE NAVAL SECRETARY STEPHEN MALLORY SET TO WORK. SOUTHERN SAILORS ROLLED UP THEIR SLEEVES. AGENTS WERE RUSHED TO EUROPE TO BUY SHIPS, GUNS, GEAR. UNDAUNTED, THE CONFEDERATES STROVE TO BUILD A NAVY FROM SCRATCH.

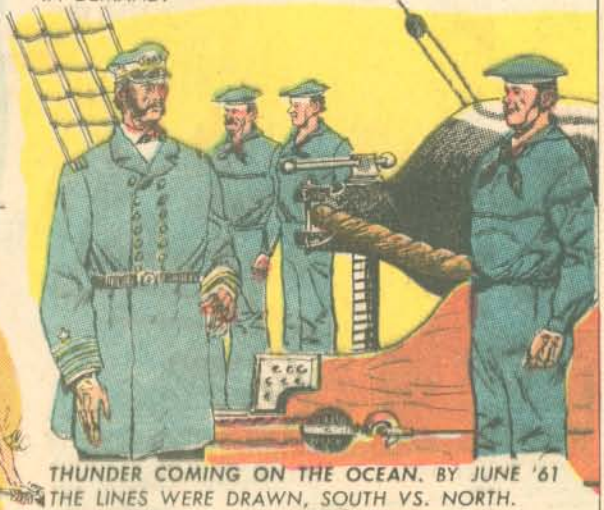
YANKEE "SOAP-BOX FLEET." THE WAR-GOING U.S. NAVY WAS CAUGHT OFF GUARD. OF NAVY'S 90 SHIPS, OVER HALF WERE OUT OF COMMISSION. ONLY 12 WERE IN HOME WATERS. OTHERS ON ACTIVE DUTY WERE SCATTERED FAR OVERSEAS. LINCOLN'S NAVAL SECRETARY, GIDEON WELLES, FOUND THE DEPARTMENT CRUMBLING, THE SERVICE IN WILD CONFUSION. ONE-SIXTH OF NAVY'S OFFICER CORPS HAD "GONE SOUTH" TO FIGHT FOR THE CONFEDERACY. BUT SPUNKY "UNCLE GIDEON" SET OUT TO BUILD A GIANT FLEET. MEANTIME, TUGS AND SCHOONERS WERE ARMED TO HOLD THE BLOCKADE LINE. CRITICS JEERED AT "ABE LINCOLN'S SOAP-BOX NAVY."



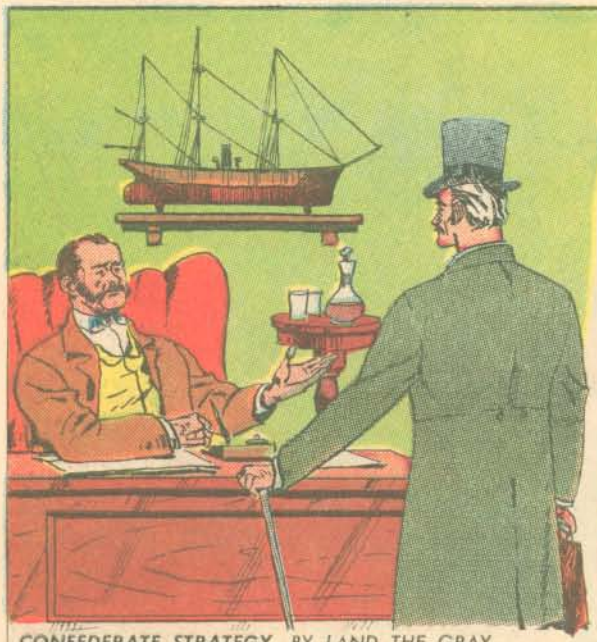


WOODEN SHIPS AND IRON MEN. MUSTERING THE NAVY FOR ACTION, SECRETARY GIDEON WELLES FOUND THE U.S. FORCES AFLOAT TOO SMALL AND OBSOLETE FOR FULL-SCALE OPERATIONS. WOODEN SAILING SHIPS COULDN'T HOLD THE LINE AGAINST FAST BLOCKADE-RUNNERS WITH POWERFUL ENGINES. ONLY A FEW STEAM CRUISERS WERE IN SERVICE. MORE WERE NEEDED. AND IRON WARSHIPS WERE IN DEMAND.

SHORE GUNS FOR DEFENSE. LACKING A NAVY, THE CONFEDERATES RUSHED WORK ON HARBOR FORTIFICATIONS TO SHIELD VITAL SEAPORTS AGAINST ATTACK. BIG COLUMBIAD CANNON WERE WHEELED INTO POSITION TO DEFEND PORT ROYAL. IN CHARGE OF CONFEDERATE COASTAL ARTILLERY WAS A DISTINGUISHED ARMY OFFICER NAMED ROBERT E. LEE. ENGINEERS REPORTED THE SOUTH'S COAST DEFENSES WERE INVULNERABLE.

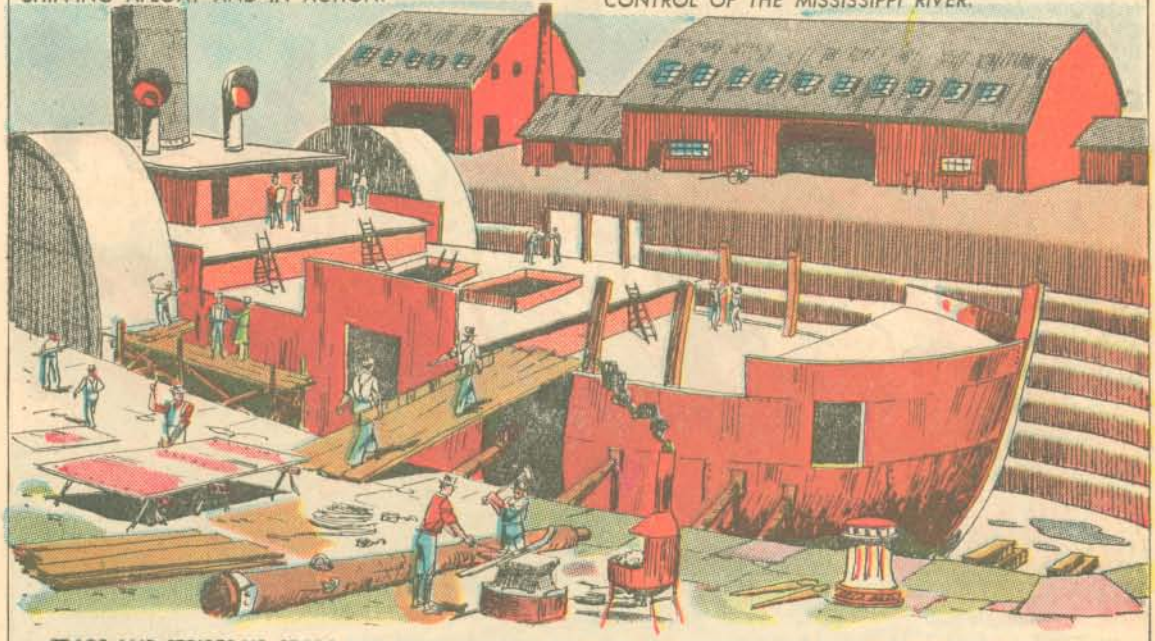


THUNDER COMING ON THE OCEAN. BY JUNE '61 THE LINES WERE DRAWN, SOUTH VS. NORTH. COMMITTED TO PRESERVING THE UNION, THE FEDERAL (U.S.) GOVERNMENT STOOD OPPOSED TO THE SOUTHERN CONFEDERACY. THE NORTH CONTAINED 23 STATES, 22 MILLION PEOPLE. THE SOUTH CONTAINED 11 STATES WITH 9 MILLION PEOPLE. BUT 3½ MILLION WERE NEGRO SLAVES. TO SURVIVE, THE CONFEDERACY HAD TO BREAK THE UNION BLOCKADE AND SHIP SOUTHERN PRODUCE TO EUROPE. TO WIN, THE UNION HAD TO HOLD THE BLOCKADE LINE AND STRANGLE SOUTHERN SHIPPING.

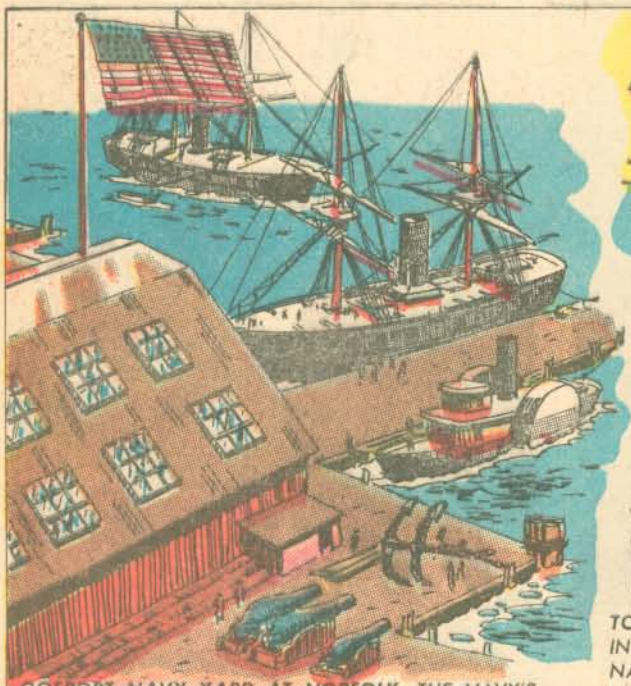


CONFEDERATE STRATEGY. BY LAND THE GRAY ARMIES WERE ORDERED TO HOLD AGAINST FEDERAL INVASION. COUNTING ON SHORE FORTIFICATIONS TO HOLD THE OCEAN FRONT, THE RICHMOND LEADERS HOPED TO PROCURE NAVAL VESSELS FROM FOREIGN BUILDERS. JEFFERSON DAVIS ALSO COUNTED ON SUPPORT FROM BRITAIN AND FRANCE. PERHAPS THEY WOULD JOIN THE SOUTH AS ALLIES. EVERYTHING DEPENDED ON KEEPING SOUTHERN SHIPPING AFLOAT AND IN ACTION.

UNION STRATEGY. WHILE FEDERAL ARMIES WERE ORDERED TO INVADE THE SOUTHERN STATES, UNION NAVAL STRATEGY DEVELOPED ALONG FOUR IMPORTANT LINES. FIRST AND FOREMOST: THE BLOCKADE TO STRANGLE SOUTHERN SHIPPING. SECOND: NAVAL CAMPAIGNS TO CAPTURE SOUTHERN SEAPORTS. THIRD: AN OCEAN CAMPAIGN TO KNOCK OUT CONFEDERATE RAIDERS AND PRIVATEERS. FOURTH: AN AMPHIBIOUS DRIVE TO GAIN CONTROL OF THE MISSISSIPPI RIVER.



STARS AND STRIPES VS. STARS AND BARS. YANKEES AGAINST JOHNNY REBS, THE SAILORS PITCHED IN. ON THE UNION SIDE WERE MANY GREATS—OLD DAVY FARRAGUT, FIERY D. D. PORTER, JOHN L. WERDEN, WINSLOW FOOTE, INTREPID BILL CUSHING AND OTHER VALIANTS. FIGHTING FOR THE SOUTH WERE SUCH STARS AS MATTHEW MAURY, OLD FRANKLIN BUCHANAN, HOLLINS, CATESBY JONES AND THE BRILLIANT RAPHAEL SEMMES. STELLAR LEADERS ALL. BUT THE NORTH HAD FACTORIES, THE SHIPYARDS, AND IRON. FACTORIES MEANT INVENTORS, MECHANICS, TECHNICIANS. TO A SOUTHERN BOY, HORSEPOWER MEANT CAVALRY. IN THE MACHINE AGE OF 1861, ENGINES WERE BOUND TO WIN. BUT THE REBS PUT UP A TERRIFIC FIGHT. AND HERE IS THE STORY OF THE CIVIL WAR AT SEA.

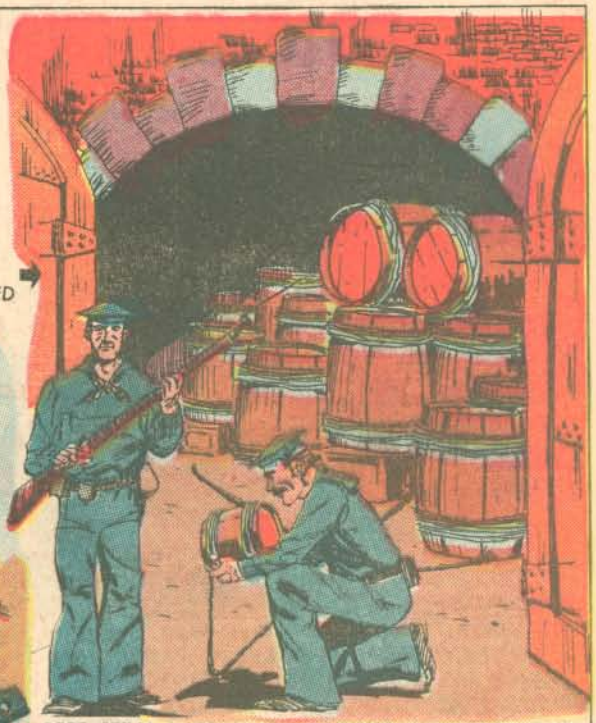


GOSPORT NAVY YARD AT NORFOLK. THE NAVY'S BIGGEST ATLANTIC BASE. FAR MORE IMPORTANT THAN FORT SUMTER. GUARDIAN OF THE VIRGINIAN SEABOARD, AND HOME OF THE NAVY'S BIGGEST FLEET. EARLY IN APRIL '61, VIRGINIA WAS STILL IN THE UNION. NORFOLK MIGHT HAVE BEEN SAVED. BUT FEAR, COST THE NAVY A STUNNING SETBACK. NORFOLK WAS THE "PEARL HARBOR" OF THE CIVIL WAR.

TOO LITTLE, TOO LATE. UNION LEADERS IN WASHINGTON SAW IT COMING. RUSHED TO NORFOLK, NAVY ENGINEER BEN ISHERWOOD FOUND THE BASE ON THE BRINK OF SECESSION, SOUTHERN SAILORS HAD QUIT THEIR POSTS. SHIPS WERE TIED UP WITH SAILS FURLED AND BOILERS COLD. ISHERWOOD CALLED FOR HELP. TO NORFOLK SECRETARY GIDEON WELLES RUSHED FISTY CAPTAIN HIRAM PAULDING WITH U.S. SLOOP **PAWNEE**. ORDERS: HOLD THE BASE OR BLOW IT UP.

FLEET SKY HIGH! REACHING NORFOLK ON APRIL 20, PAULDING FOUND REBEL MILITIA CLOSING IN. WITH SITUATION HOPELESS, DEMOLITIONS WERE IN ORDER. TO PREVENT CAPTURE BY CONFEDERATES, SHIPS WERE PACKED WITH POWDER, FUSES SET. "BLOW UP YOUR MATCHES, BOYS!" UP WENT U.S.S. **PENNSYLVANIA**, NAVY'S BIGGEST LINE-OF-BATTLE SHIP. UP WENT BATTLE LINERS **DELAWARE, NEW YORK, COLUMBUS,** UP WENT 3 FRIGATES AND 2 SLOOPS. DOWN WENT BRAND NEW STEAM CRUSIER **MERRIMACK**. TO THE NORTH A STAGGERING BLOW.

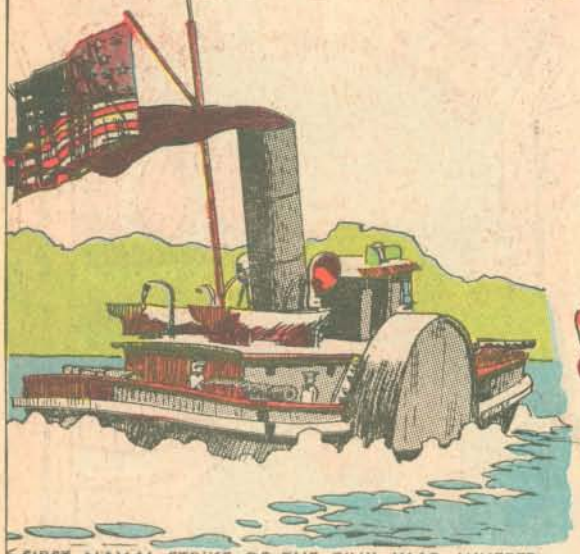
MUNITIONS SKY HIGH! WITH SHIPS WENT TONS OF POWDER, TONS OF AMMUNITION. BUT REBELS SAVED HUNDREDS OF POWERFUL DAHLGREN GUNS FROM DESTRUCTION. CAPTURE OF THESE CANNON REINFORCED THE GUN-HUNGRY SOUTH, AND COST THE NORTH A SORRY PRICE IN FIRE POWER. "GREAT AS WAS THE LOSS OF OUR SHIPS," REPORTED D. D. PORTER, "IT WAS MUCH LESS THAN THE LOSS OF OUR GUNS." WITH FLEET IMMOBILIZED, NAVY PARTIALLY DISARMED, THE UNION FACED A TIGHT FIGHT WITH SHORT STICK. THE FIGHT LOOKED EVEN TIGHTER WHEN SPIES REPORTED THAT THE REBS WERE SALVAGING STEAM FRIGATE **MERRIMACK.**



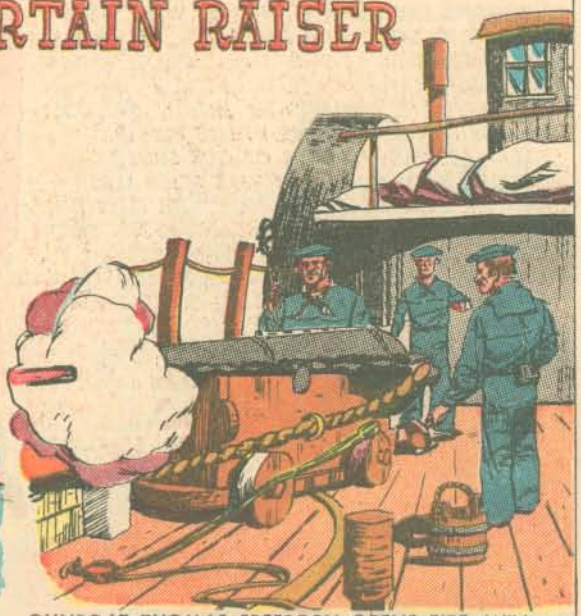
REBS STEAL BASE. WHEN **PAWNEE** HIGHTAILED OUT OF NORFOLK, JOHNNY REB RACED IN. SOME OF THE DEMOLITIONS HAD SQUIBBED. OVER 300 DAHLGREN "SODA BOTTLES" WERE THERE FOR THE TAKING. ADD NORFOLK TO SUCH KEY OCEAN PORTS AS PORT ROYAL, CHARLESTON, WILMINGTON, N.C., SAVANNAH, MOBILE, NEW ORLEANS AND GALVESTON, AND THE CONFEDERACY HAD A SOLID BACKGROUND FOR SEA POWER. COULD THE SOUTH HOLD OUT UNTIL IT BUILT, BOUGHT OR BAGGED ENOUGH WARSHIPS FOR A NAVAL FLEET? RICHMOND LEADERS WERE CONFIDENT. THEY HELD AN ACE CARD IN THE CAPTURED **MERRIMACK.**

RAISING THE MERRIMACK. SCUTTLING SAVED HER. WHEN SHE SANK THE FIRES WENT OUT. CONFEDERATE NAVY MEN FOUND HER HULL IN FAIR CONDITION, HER ENGINES FIT FOR REPAIR. SO THEY PUMPED HER OUT AND BOOSTED HER UP. A WARSHIP FOR THE C.S.N. SOON TO BE THE SOUTH'S FIRST IRONCLAD.

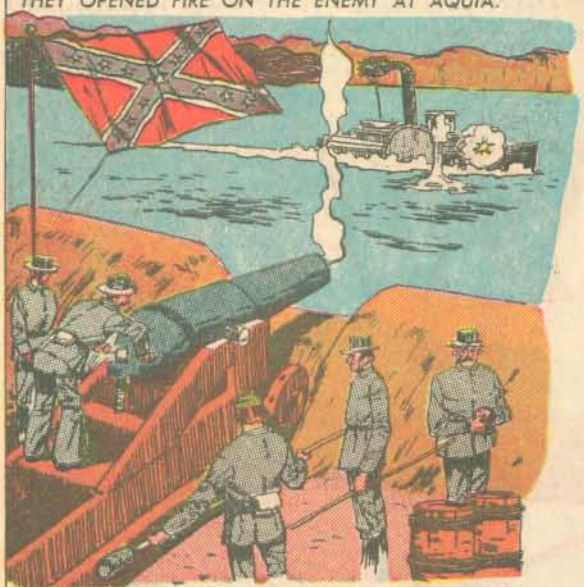
POTOMAC CURTAIN RAISER



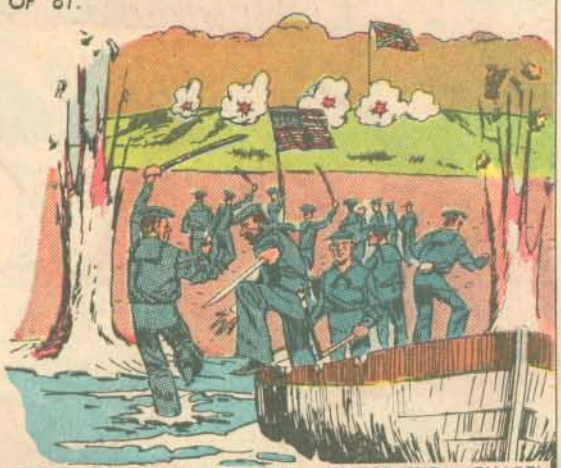
FIRST NAVAL STRIKE OF THE CIVIL WAR. WHERE? DOWN THE POTOMAC RIVER BELOW WASHINGTON. TO STOP RIVERBOAT TRAFFIC TO AND FROM THE U. S. CAPITAL, VIRGINIA REBELS PLANTED A STRONG SHORE BATTERY AT THE MOUTH OF AQUIA CREEK. WHEN CANNON BALLS BEGAN TO PEPPER UNION STEAMERS, COMMODORE PAULDING URGED THAT A NAVAL EXPEDITION GO DOWNSTREAM TO PEPPER THE REBEL BATTERIES. THREE MAKESHIFT UNION GUNBOATS CHUGGED DOWN THE POTOMAC, CANNON LOADED FOR BEAR. ON MAY 29, 1861, THEY OPENED FIRE ON THE ENEMY AT AQUIA.



GUNBOAT THOMAS FREEBORN OPENS FIRE. WINNING CREDIT FOR THROWING THE FIRST UNION SHOTS OF THE CIVIL WAR, THE LITTLE POTOMAC PADDLE-BOAT (BARELY 250 TONS) STEAMED IN TO FIRE POINT BLANK AT THE AQUIA BATTERIES. COMMANDER JAMES H. WARD, U.S.N., BARKED THE ORDER TO SHOOT. **FREEBORN'S** BEST GUN WAS VINTAGE OF 1812—LITTLE BETTER THAN A CANNON MOUNTED ON A HAND-TRUCK. AND THE VOLUNTEER CREW SCARCELY KNEW THE ROPES. BUT MAKESHIFT GUN AND "SOAPBOX" CREW RAISED THE CURTAIN ON THE GREAT SEA POWER CONFLICT OF '61.



GUNSMOKE ON THE POTOMAC. ANGRILY, REBEL BATTERIES AT AQUIA ROARED ANSWER TO THE **FREEBORN'S** CHALLANGE. AT FIRST BOTH SIDES SHOT WILDLY. THEN YANKEE CANNON BALLS DISABLED A REBEL GUN, AND A REBEL BALL SKIMMED THE YANKEE'S DECK. FEARING A DIRECT HIT FROM HEAVY ARTILLERY, COMMANDER WARD ORDERED HIS LITTLE SQUADRON TO WITHDRAW.



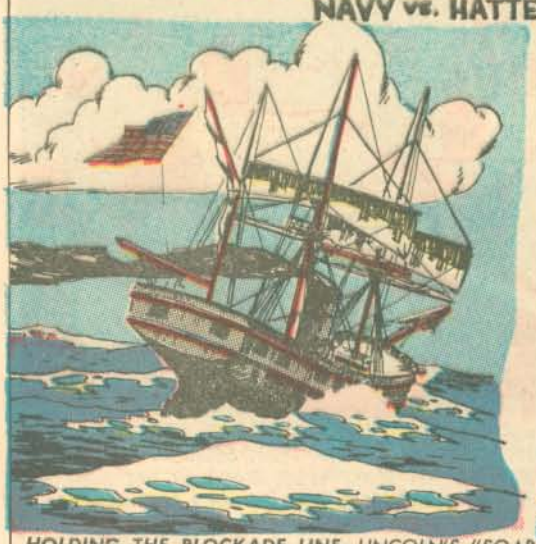
ACTION AT MATHIAS POINT. ACROSS FROM CHAPEL POINT, MD., THE VIRGINIANS SET UP A POTOMAC BATTERY AT MATHIAS. IN JUNE '61, U. S. SLOOP **PAWNEE** AND GUNBOAT **FREEBORN** WERE DISPATCHED TO MATHIAS TO DISLODGE THESE GUNS. FIERCE SCRIMMAGE TOOK PLACE ON JUNE 26 WHEN A **PAWNEE** LANDING PARTY, LED BY SEAMAN JOHN WILLIAMS, CAPTAIN OF THE MAIN-TOP, TRIED TO STORM THE JOHNNY REB EARTHWORKS. SAILORS CHARGED ARTILLERYMEN. BUT CUTLASS COULD NOT BEAT CANNON. THE BLUEJACKETS WERE DRIVEN BACK.

BLOOD ON THE RIVER. TO COVER THE WITHDRAWAL OF THE **PAWNEE** LANDING PARTY, **FREEBORN** MOVED IN. NIP AND TUCK, THE **PAWNEE** SAILORS PULLED FROM THE SHORE UNDER COVERING FIRE. THEN, WHILE LOADING THE PADDLE-BOAT'S CLUMSY BOW GUN, **FREEBORN'S** COMMANDER WARD WAS FATALLY STRUCK BY ENEMY SHELL. FIRST UNION NAVAL OFFICER TO OPEN FIRE ON THE CONFEDERATES, HE WAS FIRST U.S. NAVY OFFICER TO DIE IN THE CIVIL WAR. JAMES HARMON WARD. (AND A DESTROYER NAMED **WARD** WOULD BE FIRST TO FIRE ON THE JAPANESE IN WORLD WAR II.)

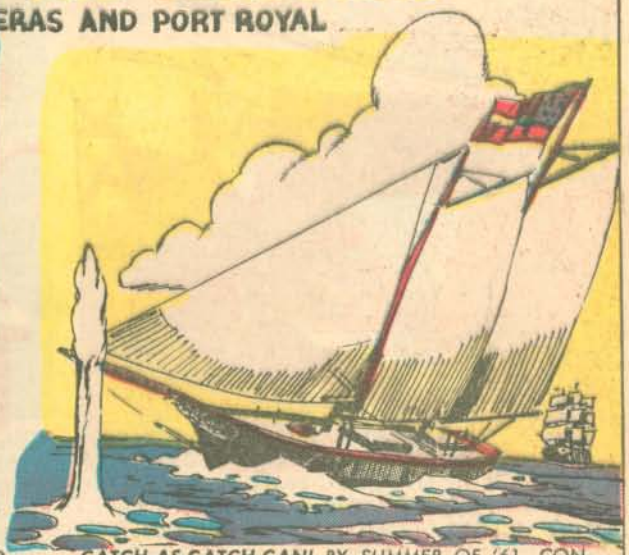
FIRST MEDAL OF HONOR. NATION'S HIGHEST AWARD, AS ORIGINALLY DEVISED BY LINCOLN'S NAVAL SECRETARY, GIDEON WELLES. FIRST AUTHORIZED BY CONGRESS, DECEMBER, 1861, AWARD WAS CREATED AS SPECIAL HONOR FOR U. S. NAVY ENLISTED MEN AND MARINES WHO MERITED HIGH RECOGNITION FOR SERVICE "ABOVE AND BEYOND THE CALL OF DUTY." IN APRIL 1863 SECRETARY GIDEON WELLES RECOMMENDED THE HONOR FOR SOME 30 UNION BLUEJACKETS. AMONG FIRST ON THE LIST WAS JOHN WILLIAMS OF SLOOP **PAWNEE.** "FOR CONSPICUOUS GALLANTRY IN ACTION AT MATHIAS POINT . . ."

THUNDER ON THE SEABOARD

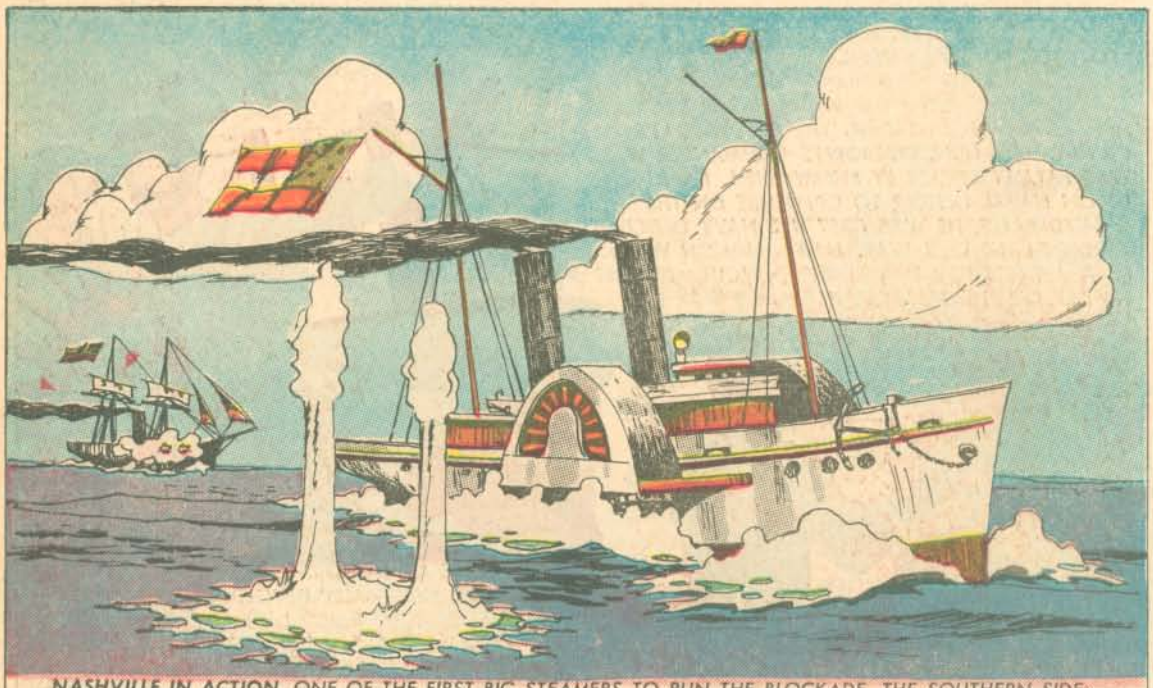
NAVY vs. HATTERAS AND PORT ROYAL



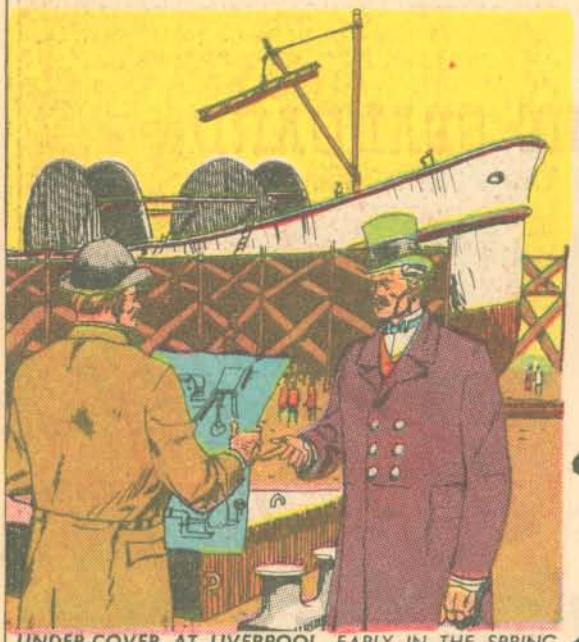
HOLDING THE BLOCKADE LINE—LINCOLN'S "SOAP-BOX SQUADRONS" IN ACTION. BY JULY '61 ARMED STEAMERS, SCHOONERS AND TUGS WERE BOBBING LIKE CLUSTERED CORKS OFF THE CONFEDERACY'S OCEAN COAST. AT SOME PORTS BLOCKADING WAS FAIRLY EASY. AT OTHERS, TRICKY CHANNELS AND WIDE ENTRANCES MADE THE JOB WELL NIGH IMPOSSIBLE. THE U. S. NAVY HAD ITS WORK CUT OUT FOR IT IN THIS 3,000-MILE OPERATION.



CATCH-AS-CATCH-CAN! BY SUMMER OF '61, CONFEDERATE BLOCKADE RUNNERS WERE SKIMMING IN AND OUT OF SOUTHERN PORTS LIKE SEA-GOING RACE HORSES. ONE OF THE FASTEST WAS FAMOUS RACING YACHT **AMERICA,** SOLD TO THE CONFEDERACY BY BRITISH LORD DECIE. MAKESHIFT UNION GUNBOATS COULDN'T WIN, PLACE OR SHOW IN AN ATLANTIC STEEPLECHASE WITH THIS GALLOPING GHOST OF THE OCEAN.



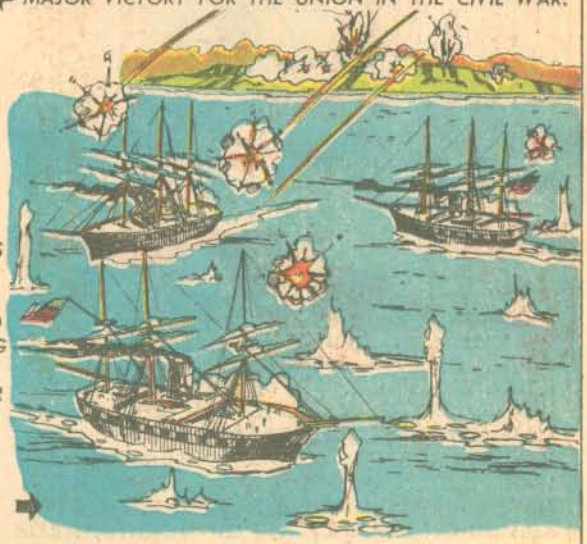
NASHVILLE IN ACTION. ONE OF THE FIRST BIG STEAMERS TO RUN THE BLOCKADE, THE SOUTHERN SIDE-WHEELER **NASHVILLE** RACED THROUGH THE UNION LINE WITH MANY TONS OF CARGO. TO BERMUDA, TO THE BAHAMAS, ACROSS TO ENGLAND WENT CONFEDERATE SHIPS. WITH COTTON AND SOUTHERN PRODUCE TO EUROPE. THEN HOME WITH GUNS AND WAR GEAR.



UNDER-COVER AT LIVERPOOL. EARLY IN THE SPRING OF '61, CONFEDERATE AGENT JAMES D. BULLOCH DODGED ACROSS THE ATLANTIC TO LIVERPOOL, ENGLAND. MISSION: TO OPEN SECRET DEAL WITH THE BRITISH FOR ENGLISH-BUILT WARSHIPS. ALTHOUGH QUEEN VICTORIA ISSUED PROCLAMATION OF STRICT NEUTRALITY FOR BRITAIN, THE LAIRD BROTHERS OF LIVERPOOL AGREED TO BUILD NAVAL VESSELS FOR BULLOCH. BY RULES OF THE SEA, A BLOCKADE FULL OF HOLES DIDN'T COUNT ON THE INTERNATIONAL GAME BOARD. SOUTHERNERS HOPED TO PROVE THAT LINCOLN'S BLOCKADE WAS A SEIVE.

"UNCLE GIDEON" IN ACTION. NAVY DEPARTMENT, WASHINGTON, D. C. JULY 1861. SECRETARY GIDEON WELLES AND HIS STAFF WERE BURNING THE MIDNIGHT OIL. SOMETHING HAD TO BE DONE—AND QUICKLY. UNDER BEAUREGARD AND STONEWALL JACKSON, REBEL ARMIES HAD JUST CLOBBERED THE UNION AT BULL RUN. AND WITH FRANCE AND BRITAIN THREATENING TO DISREGARD THE BLOCKADE, LINCOLN WANTED A NAVAL VICTORY IN A HURRY. HE HAD THE RIGHT SECRETARY FOR THE JOB. AND GIDEON WELLES FOUND THE RIGHT NAVY LEADER IN COMMODORE SILAS STRINGHAM. NAVY'S STRATEGY BOARD PICKED THE TARGET. HATTERAS INLET ON THE CAROLINA COAST.

NAVAL SLEDGE-HAMMER. HATTERAS INLET. AUGUST 27, 1861. FLAG OFFICER STRINGHAM SLUGGED HIS WAY IN WITH U. S. STEAM FRIGATES **WABASH** AND **MINNESOTA**, A PAIR OF SLOOPS; A "SOAPBOX" GUNBOAT AND TWO TRANSPORTS OF BOYS IN BLUE. GUARDING THE INLET, FORTS HATTERAS AND CLARK BOOMED DEFIANCE. BOOMING NAVAL BROADSIDES, STRINGHAM'S POWERFUL CRUISERS KNOCKED THE TEETH OUT OF THE REBEL BATTERIES. DOWN CAME THE BONNY BLUE FLAG. ASHORE WENT THE STARS AND STRIPES. SEIZING THE STRATEGIC HATTERAS AREA, NAVY WON THE FIRST MAJOR VICTORY FOR THE UNION IN THE CIVIL WAR.



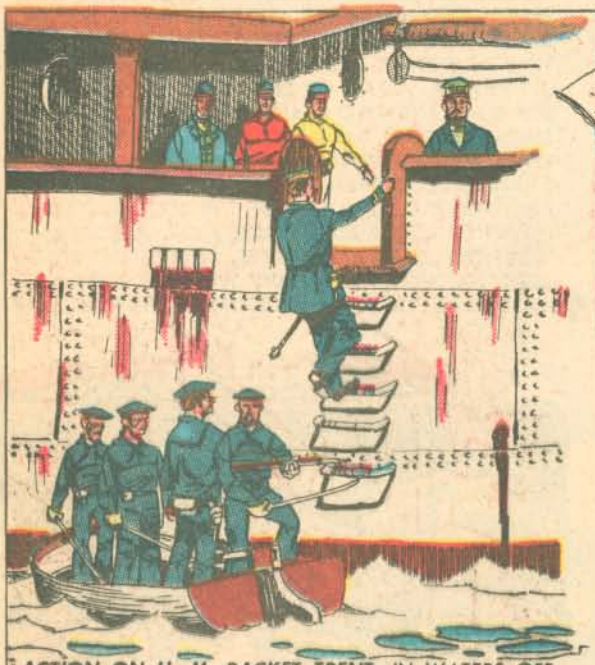
MERRY-GO-ROUND AT PORT ROYAL. THE TUNE WAS YANKEE DOODLE. AS PLAYED BY THE U. S. NAVY'S DAHLGREN GUNS. SPURRED BY THE HATTERAS VICTORY, NAVY LEADERS IN WASHINGTON PLANNED A STRIKE AT STRATEGIC PORT ROYAL, REBEL SHIPPING BASE MIDWAY BETWEEN CHARLESTON AND SAVANNAH. DATE: NOVEMBER 1861. LEADER: FLAG OFFICER DU PONT. PORT ROYAL FORTS HAD BEEN HEAVILY ARMED BY GENERAL LEE. CIRCLING IN THE HARBOR, DU PONT'S WARSHIPS FIRED HAMMER AND TONGS. TARS VS. ARTILLERY-MEN. MOVING TARGETS VS. STATIONARY. AGAIN THE NAVY WON. THE NORTH'S SECOND MAJOR VICTORY IN THE CIVIL WAR.

TRANSATLANTIC STORM

THE TRENT AFFAIR

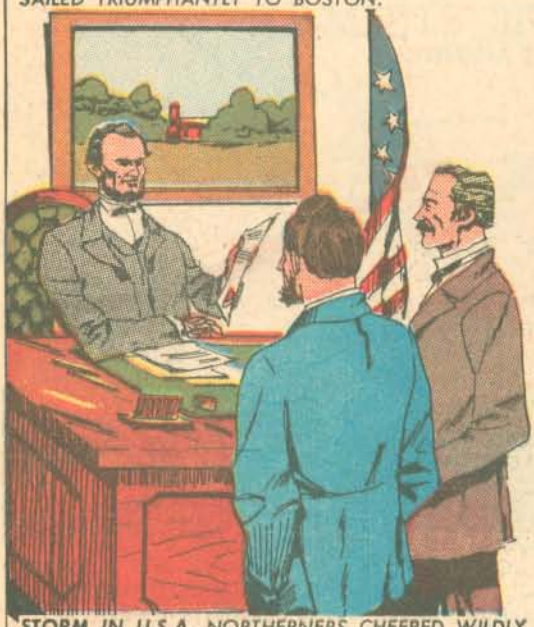
BERMUDA RUNS BLOCKADE. IN EFFORT TO OFFSET NAVAL SETBACKS, CONFEDERATES IN ENGLAND RUSHED THE SAILING OF S.S. **BERMUDA.** CROSSING THE ATLANTIC, SHE DASHED INTO SAVANNAH, LATE AUTUMN OF '61. RICHMOND CHEERED! AND WASHINGTON STORMED! ANGRY NOTES FROM THE U. S. STATE DEPARTMENT ADVISED BRITAIN AND FRANCE TO STAY OUT OF THE AMERICAN SEA WAR. SOMETHING HAD TO BE DONE—AND FAST—TO TIGHTEN THE BLOCKADE. BEFORE THE SOUTH WAS SEALED BY A NAVAL WALL, ANYTHING MIGHT HAPPEN. IT ALMOST DID WHEN A QUICK-TRIGGERED UNION NAVY OFFICER TOUCHED OFF THE **TRENT** AFFAIR.

TROUBLE OFF THE BAHAMAS. TAKE A QUICK-TRIGGERED YANKEE NAVAL OFFICER. ADD A BRITISH MAIL PACKET. MIX IN TWO IMPORTANT CONFEDERATE DIPLOMATS. BRING CONTENTS TO BOIL IN NEUTRAL SALT WATER. RECIPE FOR TEMPEST IN A TEAPOT? BUT IT ALMOST BLEW THE LID OFF BRITISH-AMERICAN RELATIONS IN NOVEMBER 1861. THE ENGLISH LION ROARED WHEN COMMANDER CHARLES WILKES, U.S.N., WITH UNION CRUISER **SAN JACINTO**, WAYLAID H. M. STEAMER **TRENT** AND CAPTURED REBEL ENVOYS JAMES M. MASON AND JOHN SLIDELL.

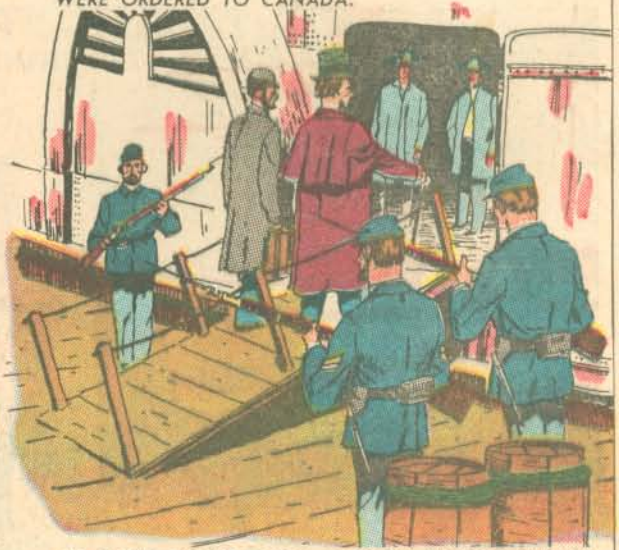


ACTION ON H. M. PACKET TRENT. IN WATERS OFF BRITISH BAHAMAS, WILKES STOPPED THE ENGLISH VESSEL AFTER LEARNING THAT CONFEDERATE DIPLOMATS HAD TAKEN PASSAGE FROM HAVANA, CUBA. UNION SAILORS BOARDED THE BRITISH SHIP FORTHWITH. PROTESTING FURIOUSLY, RICHMOND ENVOYS MASON AND SLIDELL WERE SEIZED. WITH PRISONERS SECURED ON BOARD CRUISER **SAN JACINTO**, WILKES SAILED TRIUMPHANTLY TO BOSTON.

STORM IN LONDON. WHEN WORD OF THE SEIZURE REACHED ENGLAND, BRITISH PRESS, PUBLIC AND PARLIAMENT SHOUTED DEMANDS THAT THE CONFEDERATE ENVOYS BE RELEASED. CALLING WILKES' ACT A VIOLATION OF NEUTRAL WATERS, PRIME MINISTER PALMERSTON THREATHENED WAR. HULLABALOO WENT FEVER PITCH WHEN ENGLISH REGIMENTS WERE ORDERED TO CANADA.

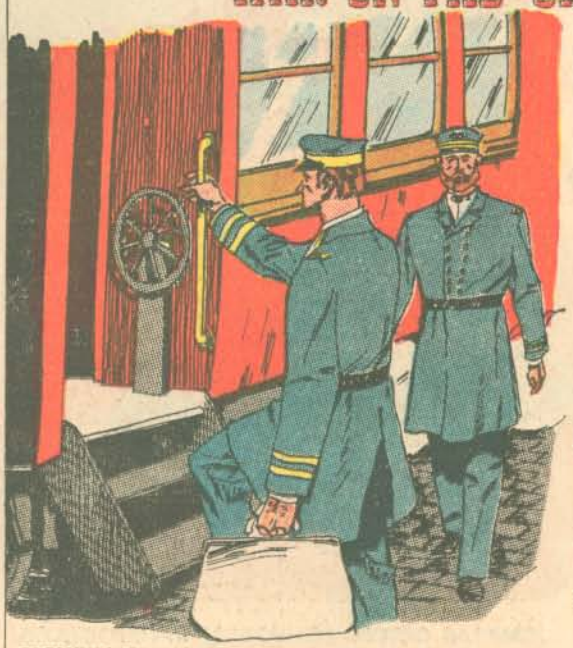


STORM IN U.S.A. NORTHERNERS CHEERED WILDLY, TOASTING WILKES AS THE TWO REBEL DIPLOMATS WERE IMPRISONED IN FORT WARREN. AND U. S. SECRETARY OF STATE, WILLIAM SEWARD, SHOOK A DEFIANT FIST AT BRITAIN. BUT LINCOLN SHOOK HIS HEAD. IN 1812 THE U. S. NAVY HAD FOUGHT THE BRITISH FOR STOPPING AMERICAN SHIPS AT SEA. NOW IT WAS TURN ABOUT. LINCOLN ADVISED FAIR PLAY.



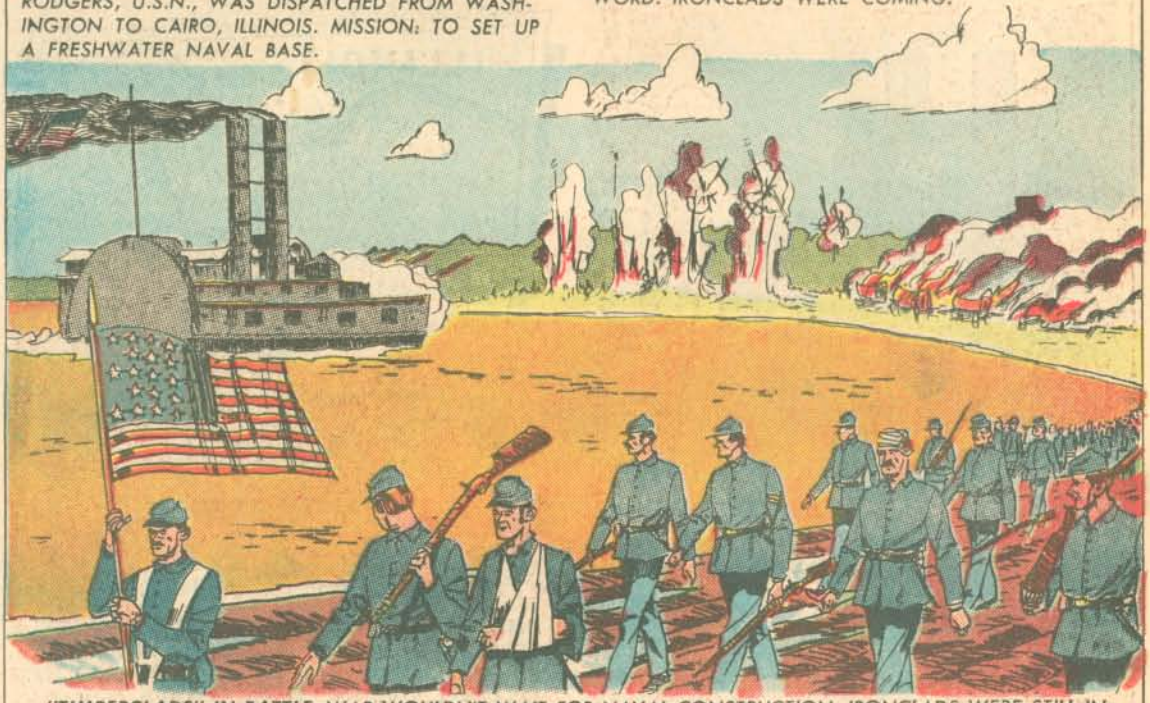
ILL WIND BLOWS GOOD. ENGLISH TROOPS EMBARKING FOR CANADA. NORTHERN LEADERS IN A TEMPER. AS OF CHRISTMAS 1861 THE INTERNATIONAL SITUATION LOOKED DARK FOR THE UNION. BUT GOOD WILL PREVAILED. QUEEN VICTORIA FORBADE WAR WITH THE EMBATTLED UNITED STATES. LINCOLN SMILED WISELY, AND MASON AND SLIDELL WERE SENT ON THEIR WAY TO ENGLAND. FOR YEARS UNCLE SAM AND JOHN BULL HAD BEEN AT LOGGERHEADS. LINCOLN'S FAIR MOVE ANSWERED THE QUEEN'S TO START THE U. S. AND BRITAIN ON ROAD TO FRIENDSHIP.

WAR ON THE "CATFISH FRONT"



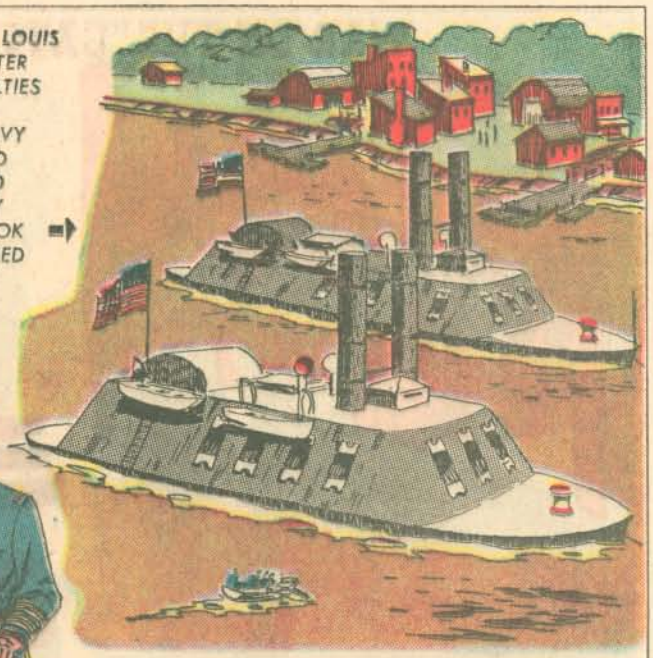
FRESHWATER NAVY. WHILE BLUE FOUGHT GRAY TO GAIN THE UPPER HAND ON EASTERN SEABOARD AND IN ATLANTIC WATERS, NAVAL WARFARE BEGAN ON THE UPPER MISSISSIPPI. WITH CONFEDERATES BLOCKING THE LEVEES BELOW THE DIXON LINE, UNION LEADERS CALLED FOR A DRIVE DOWN "OLD MAN RIVER." IN JUNE '61, COMMANDER JOHN RODGERS, U.S.N., WAS DISPATCHED FROM WASHINGTON TO CAIRO, ILLINOIS. MISSION: TO SET UP A FRESHWATER NAVAL BASE.

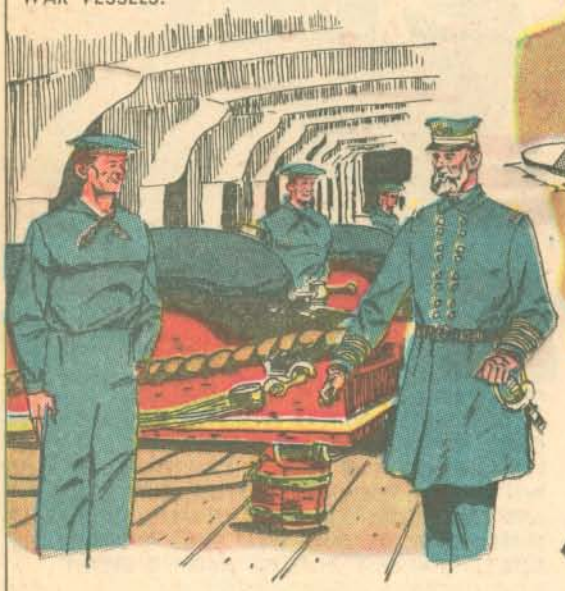
FRESHWATER GUNBOATS. STARTING FROM SCRATCH IN CAIRO, ILL., RODGERS RECRUITED SAILORS, PROCURED SUPPLIES, PURCHASED RIVERBOATS FOR CONVERSION INTO WAR VESSELS. CANNON WERE SOON INSTALLED IN SIDEWHEELERS **TYLER**, **CONESTOGA** AND **LEXINGTON**. TOP-HEAVY "TIMBERCLADS," THESE THREE ARMED STEAMERS WERE ONLY DROPS IN THE MISSISSIPPI BUCKET. RODGERS HAD THE SECRET WORD. IRONCLADS WERE COMING.



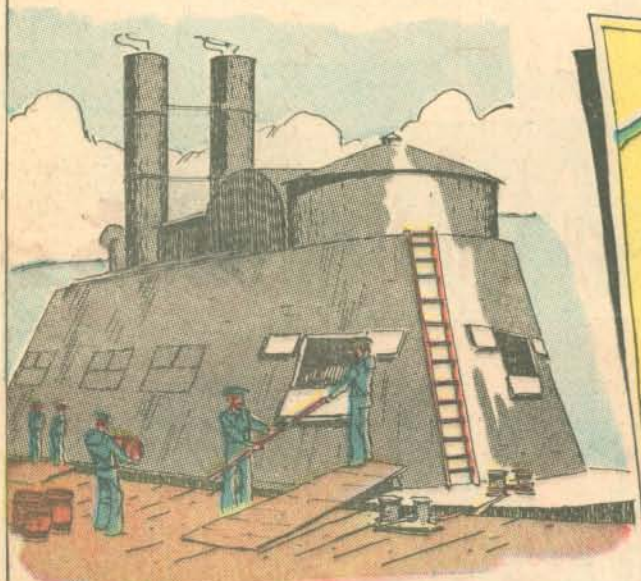
"TIMBERCLADS" IN BATTLE. WAR WOULDN'T WAIT FOR NAVAL CONSTRUCTION. IRONCLADS WERE STILL IN FUTURE WHEN AN UNKNOWN GENERAL NAMED GRANT LAUNCHED AN ATTACK ON A REBEL RIVER BASE AT BELMONT, MISSOURI. SEPTEMBER 1861. GRANT'S ATTACK MISFIRED. UNION TROOPS WERE DRIVEN BACK. THEIR RETREAT WAS COVERED BY TIMBERCLADS **CONESTOGA** AND **LEXINGTON**. IRON WAS NEEDED ON THE "CATFISH FRONT."

FIRST AMERICAN IRONCLADS—GUNBOATS ST. LOUIS AND LOUISVILLE. CALLED "POOK TURTLES" AFTER NAVY DESIGNER SAMUEL POOK, THESE NOVELTIES WERE BUILT BY JIM EADS OF ST. LOUIS IN A RECORD 45 DAYS. BY WINTER OF '61 THE NAVY MUSTERED A FLOTILLA OF THESE IRON-SLABBED ARKS. ROSTER INCLUDED **PITTSBURGH, MOUND CITY, CINCINNATI, CAIRO, CORONDELET.** THEY WERE CRANKY AND CANTANKEROUS, BUT TOOK FIRST HONORS AS U. S. NAVY'S FIRST ARMORED WAR VESSELS.





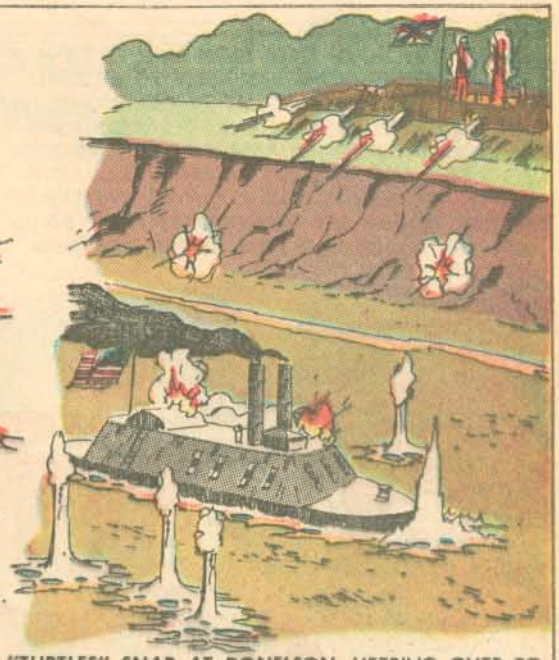
IRONCLAD OFFICER—COMMODORE A. H. FOOTE, U.S.N., INSPECTS IRONCLAD GUNBOAT CREW. JOHN RODGERS HAD APPEALED FOR SEA DUTY. HE WAS REPLACED BY FLINTY FLAG OFFICER ANDY FOOTE, NAVY COUNTERPART OF SOUTH'S STONEWALL JACKSON. RIGID TEETOTALER, EVANGELISTIC, ODDLY GUNSHY, FOOTE DROVE HIMSELF INTO ACTION.



RIVER IRONCLAD ESSEX. A "CENTERWHEELER" BUILT BY WIGGINS FERRY COMPANY, THIS ODD VESSEL WAS REBUILT INTO AN IRONCLAD FOR FOOTE'S FLOTILLA. FOOTE COMBED THE RIVER TOWNS FOR EVERYTHING FROM IRON PLATE TO CHANNEL PILOTS. BY JANUARY '62 THE FLOTILLA WAS READY TO GO.

AMPHIB VS. HENRY AND DONELSON. GUARDING VITAL GATEWAYS INTO KENTUCKY AND TENNESSEE, CONFEDERATE FORTS HENRY AND DONELSON WERE STRATEGIC BASTIONS ON CUMBERLAND AND TENNESSEE RIVER. UNION WAR PLANS CALLED FOR THE CRACKING OF THESE TWO FORTS. JOB WAS ASSIGNED TO ARMY UNDER GRANT AND NAVY UNDER FLAG OFFICER FOOTE. A MAJOR OPERATION.

ATTACK ON FORT HENRY. DATE: EARLY FEBRUARY, 1862. GRANT SLOUGHED INTO TOUGH OPPOSITION, BUT NAVY'S IRONCLAD GUNBOATS TOOK THE FORT'S ARTILLERY BY SURPRISE. BETWEEN BOYS IN BLUE AND BLUE JACKETS, THE GRAY DEFENDERS CRACKED. NOT BEFORE A FINAL SHOT FROM REBEL CANNON SMASHED INTO GUNBOAT **ESSEX** TO BURST A BOILER AND KILL 28 MEN.



"TURTLES" SNAP AT DONELSON. VEERING OVER TO THE CUMBERLAND, GRANT'S ARMY HIT FORT DONELSON A SMASHING BLOW. FOOTE'S FLOTILLA TOOK ROUGH PUNISHMENT FROM GUNS HIGH ON BLUFF. IN BATTLE **ST. LOUIS** ABSORBED 59 HITS. SERIOUSLY INJURED, FOOTE AND SQUADRON RETURNED TO CAIRO, BOTH ON VERGE OF BREAKDOWN. BUT MISSION WAS ACCOMPLISHED WITH KENTUCKY AND TENNESSEE OPENED TO UNION INVASION.

"TIMBERCLADS" CAPTURE EASTPORT. ENTERING THE TENNESSEE RIVER, SIDEWHEELERS **CONESTOGA** AND **LEXINGTON** SCOUTED DEEP INTO REBEL TERRITORY. AT CERRO GORDO, NEAR SHILO, THEY CAPTURED THE **EASTPORT**, A CONFEDERATE IRONCLAD NEARING COMPLETION. TAKEN PRIZE, SHE WAS ADDED TO THE UNION FLOTILLA.

WAY DOWN YONDER IN NEW ORLEANS. ALARMED BY REPORTS FROM THE UPPER MISSISSIPPI, CONFEDERATES IN THE "DEEP SOUTH" RUSHED THEIR DEFENSE OF OLD MAN RIVER. IN NEW ORLEANS THE TUG **ENOCH TRAIN** WAS CONVERTED INTO A ONE-GUN IRONCLAD CHRISTENED **MANASSAS.** EXPERIMENTS WERE MADE WITH MIDGET SUBMARINE **PIONEER.** WORK WAS BEGUN BY THE TIFT BROTHERS ON TWO MASSIVE IRONCLADS.

ISLAND NO. 10. UP RIVER FROM NEW ORLEANS, HEAVY FORTIFICATIONS WERE ERECTED AT PORT HUDSON AND VICKSBURG. AT ISLAND NO. 10, NEAR THE DIXIE LINE, CANNON WERE PLANTED IN MID-RIVER AND ALONG THE BASE OF THE HORSE-SHOE BEND. A LARGE FLOATING BATTERY ARMED WITH 8-INCH COLUMBIADS WAS ANCHORED OFF THE ISLAND. JOHNNY REB THOUGHT THE POINT INVULNERABLE. A SHIELD TO STOP UNION GUNBOATS HEADING SOUTH.

CARONDELET RUNS THE GANTLET. GRANT LEFT ISLAND 10 UP TO FLAG OFFICER FOOTE. FOOTE SENT MORTAR BOATS DOWN TO BLAST AT THE HORSE-SHOE. WHEN THEY FAILED TO DENT IT, HE URGED GENERAL POPE TO DIG A CANAL ACROSS THE TOP OF THE "U". POPE TRIED. NO GO. SO COMMANDER HENRY WALKE VOLUNTEERED TO RUN THE DEADLY BEND WITH GUNBOAT **CARONDELET** AND VOLUNTEER CREW. ON STORMY NIGHT OF APRIL 4, 1862, THEY MADE IT THROUGH A FURNACE OF SHOT AND SHELL. PROVING IT COULD BE DONE.

TYLER AND LEX AT SHILOH. GUNBOATS AT THE BATTLE OF SHILOH? IN THE THICK OF IT! WHEN GRANT AND BUELL WERE SURPRISED DEEP IN TENNESSEE BY GENERALS A. S. JOHNSTON AND BEAUREGARD, A CRUCIAL BATTLE RAGED AT SHILOH NEAR PITTSBURG LANDING. "TIMBERCLADS" **TYLER** AND **LEXINGTON** STEAMED THE TENNESSEE RIVER TO BLAST THE CONFEDERATES FROM A KEY POSITION ON THE BANK. SHILOH (APRIL 6-7, 1862) SHOOK BOTH NORTH AND SOUTH. GRANT THANKED THE NAVY GUNBOATS FOR SAVING THE UNION'S DAY.

PAIR OF SHEARS. GUNBOATS ON THE RIVER, ARMY ASHORE, THE UNION DRIVE HEADED ON DOWN THE MISSISSIPPI. A BATTLE CASUALTY, FOOTE WOULD SOON BE MORTALLY ILL. BUT HE LIVED LONG ENOUGH TO SEE THE STARS AND STRIPES FLOAT OVER KENTUCKY AND TENNESSEE. THEREAFTER THE "DEEP SOUTH" WAS WIDE OPEN. BOYS IN BLUE AND BLUEJACKETS TEAMED UP "LIKE A PAIR OF SHEARS" TO CUT THE MISSISSIPPI RIVER OUT OF THE CONFEDERACY.

MONITOR AND MERRIMACK

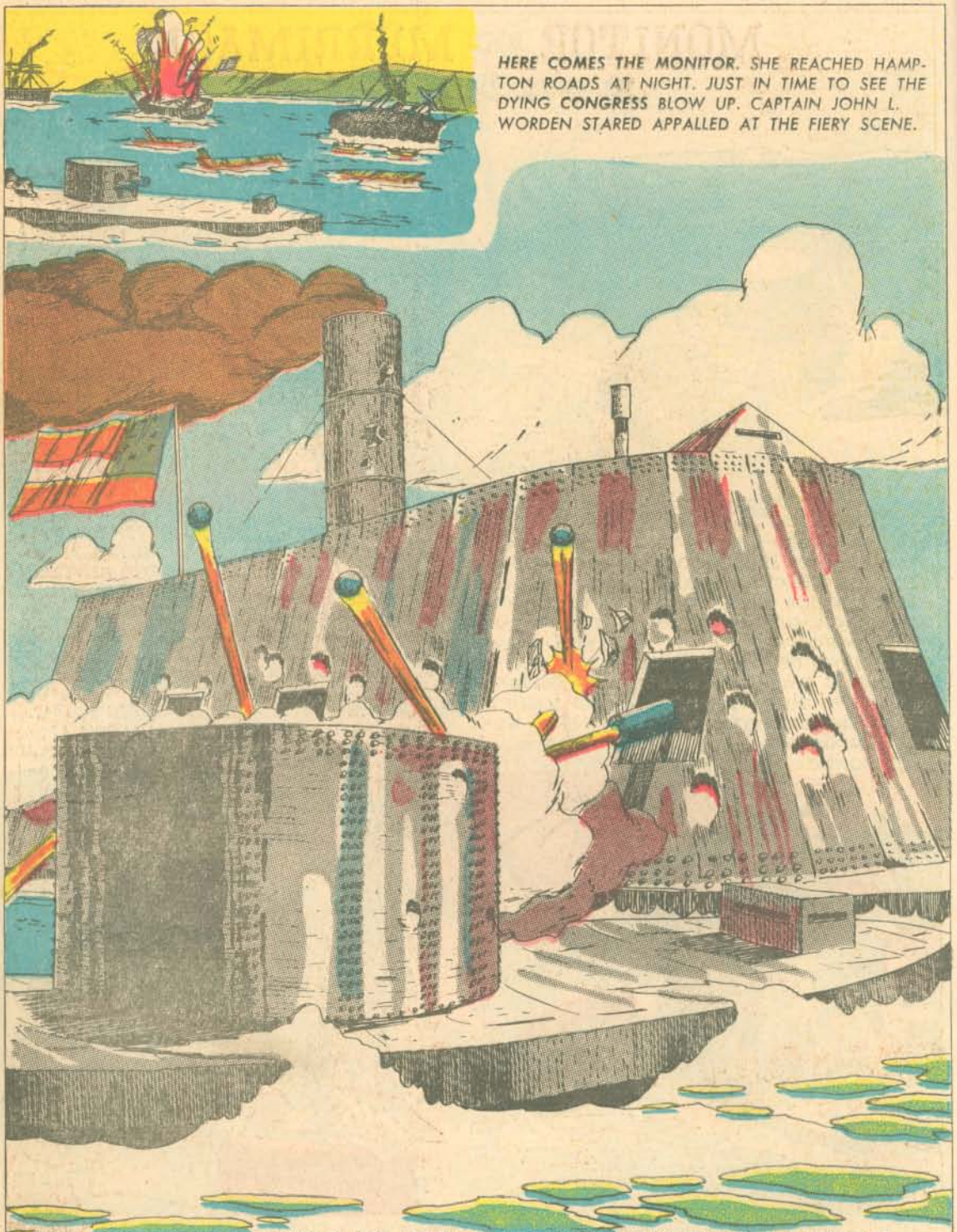
IRONCLAD SHOWDOWN

"CHEESEBOX ON A RAFT"—THE U.S.S. **MONITOR.** BRAINCHILD OF SWEDISH-BORN INVENTOR JOHN ERICSSON. REJECTED AT FIRST, ERICSSON'S IRONCLAD MONITOR INTERESTED LINCOLN, WHO LIKED THE DESIGN. BUILT AT GREENPOINT, LONG ISLAND, THE MONITOR WAS A NAVAL NONE-SUCH. A FLAT, IRON-PLATED DECK. A REVOLVING IRON TURRET MOUNTING ONLY TWO GUNS. SKEPTICS JEERED WHEN THIS QUEER VESSEL WAS RUSHED SOUTH TO HAMPTON ROADS TO COMBAT CONFEDERATE IRONCLAD **MERRIMACK.** MARCH 1862. STORMY SEAS. BUT **MONITOR** GOT THERE. JUST IN TIME.

BLOCKADE BUSTER—CONFEDERATE IRONCLAD RAM **MERRIMACK-VIRGINIA.** THROUGHOUT FALL AND WINTER OF 1861 THE REBELS WORKED DESPERATELY TO CONVERT THE SALVAGED **MERRIMACK** INTO AN ARMORED VESSEL. THEY REPLACED HER SUPERSTRUCTURE WITH A BARN-LIKE CASEMATE PLATED WITH IRON. ON HER BOW THEY FASTENED A WICKED IRON RAM. THEY GAVE HER A BATTERY OF TEN GUNS. TOUGH AS A SEA-GOING RHINO, SHE STEAMED OUT OF NORFOLK ON MARCH 8, 1862. MISSION: TO SMASH THE U. S. SQUADRON AT HAMPTON ROADS AND BUST THE UNION BLOCKADE.

MERRIMACK RAMPAGE. AND WHAT A RAMPAGE! CATCHING THE UNION SQUADRON BY SURPRISE, THE CONFEDERATE BEHEMOTH RAMMED U. S. SLOOP **CUMBERLAND.** DOWN WENT THE WOODEN WARSHIP WITH GUNS STILL FIRING. NEXT TO GET IT WAS AN ARMY TRANSPORT. THEN OLD FRIGATE **CONGRESS.** WITH HER RAM BROKEN AND GUNS LOW ON AMMUNITION, MIGHTY **MERRIMACK** RETURNED TO NORFOLK. BUT HER RAMPAGE SPELLED FINIS FOR WOODEN WARSHIPS. AND PANICKED THE NORTH.

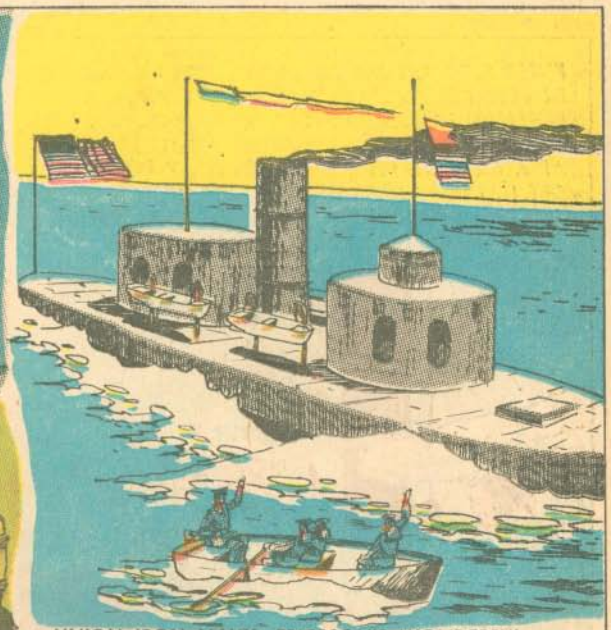
WASHINGTON CONFIDENTIAL. NEWS REPORTS FROM HAMPTON ROADS SCARED SOME OF THE UNION LEADERS GALLEY-WEST. IN EMERGENCY CABINET SESSION WAR SECRETARY STANTON WAILED. "THE **MERRIMACK** WILL COME UP THE POTOMAC!" HE WANTED THE RIVER BLOCKED WITH OBSTACLES AND THE ALARM SPREAD TO BOSTON AND NEW YORK. LINCOLN AND NAVAL SECRETARY WELLES REMAINED CALM. THEY KNEW THE **MONITOR** WAS ON THE WAY TO HAMPTON ROADS.



HERE COMES THE MONITOR. SHE REACHED HAMPTON ROADS AT NIGHT. JUST IN TIME TO SEE THE DYING CONGRESS BLOW UP. CAPTAIN JOHN L. WORDEN STARED APPALLED AT THE FIERY SCENE.

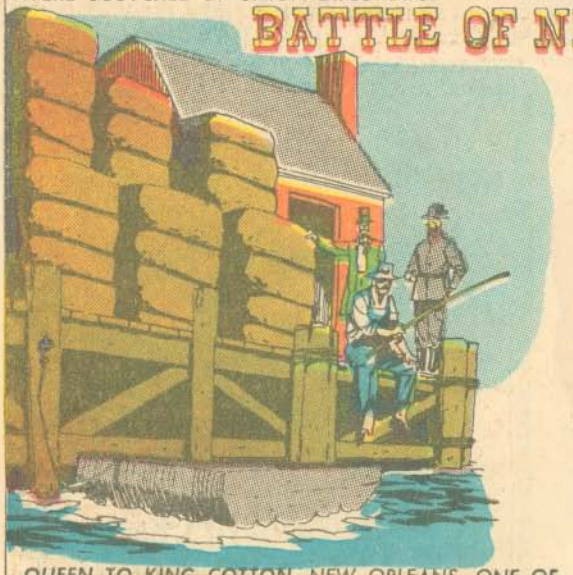
DUEL OF THE IRONCLADS. MARCH 9, 1862. SEA BATTLE THAT SHOOK THE NAVAL WORLD. IT BEGAN AT DAWN WHEN MERRIMACK-VIRGINIA RETURNED TO FINISH THE UNION SQUADRON. MONITOR STEAMED OUT TO INTERCEPT THE BEHEMOTH. JACK VS. GIANT. TWO GUNS AGAINST TEN. FOR TWO HOURS THEY WERE AT IT, HAMMER AND TONGS. MONITOR'S CANNONBALLS COULDN'T PENETRATE MERRIMACK'S IRON CASEMATE. MERRIMACK'S SHELLS BURST LIKE EGGS ON MONITOR'S IRON TURRET. BUT FLYING SPLINTERS INJURED CAPTAIN WORDEN IN MONITOR'S PILOT HOUSE. AND MONITOR'S SHOTS JOLTED AND DAMAGED MERRIMACK. LEAKING, THE CONFEDERATE TITAN FINALLY LIMPED FOR HOME. MONITOR CALLED IT A DAY. BOTH SIDES CHEERED A VICTORY. IN BOXING TERMS THE BATTLE WAS A DRAW. IN STRATEGIC TERMS MONITOR STOPPED MERRIMACK AND SAVED THE UNION BLOCKADE.

CONFEDERATE IRON NAVY. MERRIMACK-VIRGINIA NEVER FOUGHT AGAIN. WITH UNION INVASION FORCES CLOSE TO NORFOLK, SHE WAS BLOWN UP TO PREVENT CAPTURE. BUT HER MIGHTY RAMPAGE SPURRED CONSTRUCTION OF IRONCLAD RAMS AT CHARLESTON, MOBILE, NEW ORLEANS AND ELSEWHERE. ONLY A FEW WERE FINISHED FOR THE C.S.N. SHORT OF IRON, ENGINES AND ENGINEERS, THE SOUTH LACKED TOOLS FOR THE JOB. CONFEDERATE EFFORTS TO BUY IRONCLADS IN EUROPE WERE SCOTCHED BY UNION DIPLOMATS.

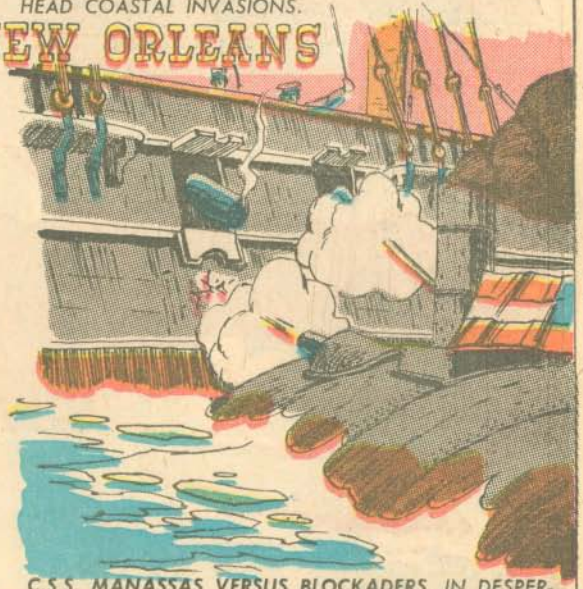


UNION IRON NAVY. ERICSSON'S WONDERFUL **MONITOR** SANK IN DECEMBER '62, DOWNED BY A STORM WHILE EN ROUTE TO THE CHARLESTON FRONT. BUT HER VALIANT PERFORMANCE PUT IN GEAR THE UNION'S IRONCLAD PROGRAM. FROM BOSTON TO ST. LOUIS THE NORTH'S IRON FOUNDRIES RUSHED THE JOB ON NAVAL CONTRACTS FOR **NEW IRONSIDES,** TURRET VESSEL **KEOKUK,** AND A WHOLE FLEET OF SINGLE-TURRET AND DOUBLE-TURRET MONITORS. FIGHTING RAFTS. "SEA ELEPHANTS" TO HOLD THE BLOCKADE AND SPEARHEAD COASTAL INVASIONS.

BATTLE OF NEW ORLEANS

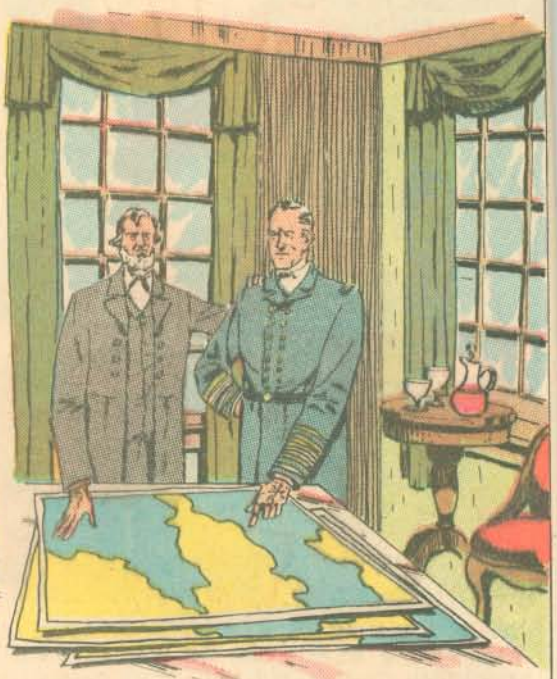


QUEEN TO KING COTTON—NEW ORLEANS. ONE OF WORLD'S BIGGEST SEAPORTS. WORLD'S NO. 1 COTTON SHIPPING CENTER. DELTA DOORWAY TO THE MIGHTY MISSISSIPPI. IMPORTANT? PERHAPS THE SOUTH'S MOST IMPORTANT CITY. BUT THE COTTON COULDN'T GET OUT. STOPPED BY THE UNION NAVY BLOCKADE, THOUSANDS OF BALES WAITED ON THE LEVEE FOR SHIPMENT. A FORTUNE GOING TO WASTE!



C.S.S. MANASSAS VERSUS BLOCKADERS. IN DESPERATE EFFORT TO LOOSEN THE BLOCKADE, A MAKESHIFT REBEL SQUADRON STEAMED DOWN THE DELTA IN OCTOBER '61. IN MIDNIGHT SCRIMMAGE, LITTLE IRONCLAD **MANASSAS** RAMMED U.S. CRUISER **RICHMOND.** GOOD TRY, BUT NOT ENOUGH. DOWN FROM NORTH CAME MORE U.S. WARSHIPS TO PATCH THE BLOCKADE FENCE. AGAIN THE COTTON WAS LOCKED IN.

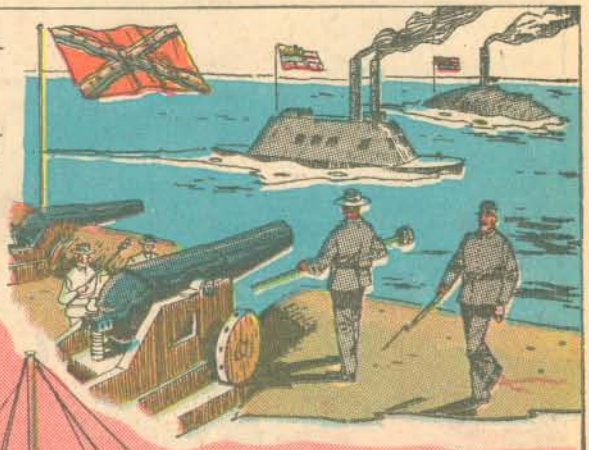
ENTER FLAG OFFICER FARRAGUT. AND WHY? EARLY IN 1862 CONFEDERATE WAR SECRETARY JUDAH BENJAMIN LAUNCHED A CLEVER SCHEME. WHY NOT SELL THE COTTON IN NEW ORLEANS TO FRANCE AT A BARGAIN. LET THE FRENCH NAVY COME AND GET IT. UNION SPIES IN PARIS GOT WORD OF THE DICKER. SO GIDEON WELLES SENT FOR FARRAGUT. COULD HE CAPTURE NEW ORLEANS PRONTO? FARRAGUT'S ANSWER: WILL DO!



FARRAGUT ON BOARD U.S.S.HARTFORD WAS SOON CRUISING OFF THE DELTA. HIS FLEET INCLUDED FOUR WOODEN STEAM CRUISERS, OLD STEAM FRIGATE MISSISSIPPI, THREE CORVETTES AND 15 GUNBOATS. SUPPORTING THE FLEET WAS A FLOTILLA UNDER COMMANDER DAVID DIXON PORTER—28 PUGNACIOUS SCHOONERS ARMED WITH 11-INCH MORTARS. FARRAGUT SCANNED THE SITUATION FROM LONG RANGE.

DELTA FORT UNDER NAVAL FIRE. THERE WERE TWO GUARDING THE RIVER ENTRANCE TO NEW ORLEANS. FORTS JACKSON AND ST. PHILIP. TOUGH NUTS TO CRACK. DETERMINED TO CRACK THEM, PORTER'S MORTAR SCHOONERS POUNDED THEM WITH SHELL-FIRE FOR SIX DAYS AND NIGHTS. UNABLE TO GET THE RANGE OF THE SCHOONERS, THE REBEL CANNONEERS TOOK A LOT OF PUNISHMENT. A RUGGED ORDEAL.

FARRAGUT GOING IN. BEFORE STARTING UP THE RIVER WITH HIS FLEET, HE ORDERED THE HULLS SHIELDED WITH CHAIN TO FEND OFF CANNONBALLS. AS THE CHART SHOWS, THE UNION FLEET HAD TO RUN AN IRON GANTLET. EARLY MORNING, APRIL 24, 1862, FARRAGUT ORDERED THE ADVANCE. FORWARD TO CAPTURE NEW ORLEANS!



DEFENDING NEW ORLEANS—SQUADRON UNDER CAPTAIN BEVERLY KENNON, C.S.N. LITTLE VESSELS LIKE THE **GOVERNOR MOORE** AND MIDGET IRONCLAD **MANASSAS** STRIPPED FOR ACTION. BUT 12 GUNBOATS WEREN'T ENOUGH. NEITHER WERE MAKESHIFT FIRE RAFTS AND A BOOM TO OBSTRUCT THE CHANNEL. TWO BIG NEW ORLEANS IRONCLADS WEREN'T READY. CITY'S DEFENDERS COUNTED ON FORTS JACKSON AND ST. PHILIP. FARRAGUT'S FLEET CANCELED THE COUNT.

UNION NAVY ENTERS NEW ORLEANS. U.S. GUNBOAT **ITASCA** BROKE THE BOOM. RUNNING THE GANTLET, FARRAGUT'S CRUISERS AND GUNBOATS STEAMED IN COLUMN UP THE RIVER. IN THE VAN GUNBOAT **CAYUGA** ABSORBED 42 HITS. REBEL **GOVERNOR MOORE** SLUGGED A STUNNING SHOT INTO U. S. GUNBOAT **VARUNA.** ENSUED WILD MELEE. IN FURIOUS TANGLE, U.S. GUNBOAT **IROQUOIS** VEERED AGAINST C.S.S. **LOUISIANA,** THE HALF-COMPLETED IRONCLAD MOORED NEAR FORT ST. PHILIP. **IROQUOIS** AND GUNBOAT **PINOLA** TOOK SAVAGE BROADSIDES. LITTLE **MANASSAS** SLAMMED INTO FRIGATE **MISSISSIPPI,** THEN REELED OFF AND GRAZED CRUISER **BROOKLYN.** DAMAGED BY UNION FIRE, **MANASSAS** BLEW UP. THEN THE REBEL SQUADRON FELL APART. FARRAGUT'S FLEET STEAMED INTO NEW ORLEANS.

LESSON IN SEA POWER—HARTFORD AT NEW ORLEANS. AS FARRAGUT'S FLEET STORMED THE INNER HARBOR, DOWN CAME THE STARS AND BARS. BEHIND THE U.S.N. CAME A UNION INVASION ARMY. STAR-SPANGLED VICTORY FOR THE NORTH. LOSS OF THE GREAT DELTA SEAPORT WAS A STUNNER FOR THE CONFEDERACY. FORTUNES IN COTTON FELL INTO UNION HANDS. SOUTH LOST THE GREAT DELTA BASIN. UNION GAINED CONTROL OF LOUISIANA COMMERCE. FOR THE CONFEDERACY, A DIPLOMATIC DISASTER. AND VICTORY COST THE U.S. NAVY LESS THAN 40 MEN!

MISSISSIPPI SLUG-FEST

BATTLE NEAR FORT WRIGHT. WITH UNION FORCES OCCUPYING NEW ORLEANS, TIME WAS RIPE FOR A PUSH DOWN-RIVER FROM ILLINOIS. EARLY IN MAY '62, COMMODORE C. H. DAVIS, REPLACING ANDY FOOTE, LED THE "TURTLE" FLOTILLA IN A DRIVE TOWARD MEMPHIS. UP FROM VICKSBURG CAME CAPTAIN J. E. MONTGOMERY, C.S.N. WITH A SQUADRON OF SMALL RIVER RAMS. ENEMY FORCES MET HEAD ON NEAR FT. WRIGHT. IN FIERCE SCRIMMAGE, REBEL RAMS DISABLED TURTLES MOUNT CITY AND CINCINNATI. BUT THE IRONBACK TURTLES DROVE OFF THE WOODEN RAMS. DAVIS PUSHED ON.

MELEE OFF MEMPHIS. IN JUNE, DAVIS' SQUADRON STOOD AROUND THE BEND FROM MEMPHIS. TURTLES WERE REINFORCED BY A SMALL SQUADRON OF WOODEN ARMY RAMS UNDER COL. CHARLES ELLET. WHILE THE MEMPHIS POPULACE WATCHED FROM THE RIVERBANK, MONTGOMERY'S REBEL RAMS STEAMED OUT TO BATTLE THE UNION INVADER. IN THUNDERSTORM BATTLE, THE U.S. RAMS AND TURTLES SLUGGED IT OUT WITH THE REB SQUADRON. LOSS TO THE SOUTH: BIG RIVER PORT AND KEY RAILROAD TERMINAL. BUT THE VALIANT REB DEFENSE COVERED THE ESCAPE OF UNCOMPLETED IRONCLAD C.S.S. ARKANSAS.

FARRAGUT COMES UP. PUSHING UP FROM NEW ORLEANS, FARRAGUT DROVE NORTHWARD IN JUNE '62. OBJECTIVE: TO PASS THE GREAT RIVER FORTRESS OF VICKSBURG AND JOIN FORCES WITH DAVIS' FLOTILLA. OFF VICKSBURG FARRAGUT'S TIRED FLEET TOOK A POUNDING. HE REPORTED PASSING THE RIVER GIBRALTER "TO NO PURPOSE." ONLY A MAJOR DRIVE COULD TAKE VICKSBURG. IN JULY, REB IRONCLAD **ARKANSAS** RUSHED FROM HER YAZOO LAIR, AND RACED CLEAN THROUGH THE UNION FLEET TO REACH VICKSBURG COVER. DISPIRITED, FARRAGUT RETIRED BACK DOWN TO THE DELTA.

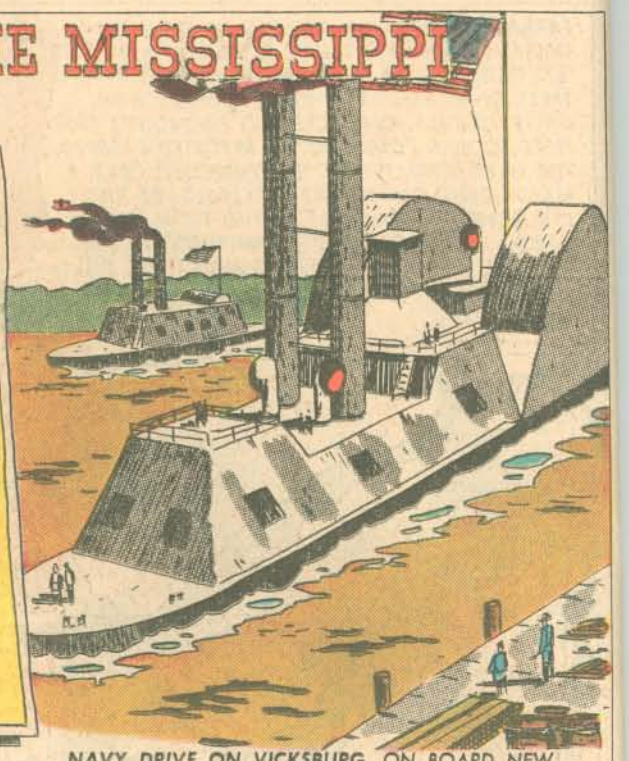
NAVY UP THE JAMES. THE JAMES RIVER LINKED THE CONFEDERATE CAPITAL WITH HAMPTON ROADS AND THE ATLANTIC. IMPORTANT SHIPPING ROUTE IN CIVIL WAR DAYS, THE JAMES ALSO PRESENTED UNION FORCES WITH A WATER ROAD FOR INVASION. UP THE JAMES PENINSULA DROVE MCCLELLAN'S ARMY IN SPRING OF '62. KEEPING PACE WAS A FEDERAL SQUADRON UNDER COMMODORE JOHN RODGERS. THE CHART SHOWS NAVY IN THE FAMOUS PENINSULAR CAMPAIGN.

SETBACK ON THE RIVER. NEAR RICHMOND THE REBELS BLOCKED THE RIVER WITH CHANNEL OBSTACLES AND POWERFUL BATTERIES HIGH ON DREWRY'S BLUFF. DEFENSES TOO TOUGH FOR IRONCLAD SLOOP **GALENA**, BATTERY-BOAT **NAUGATUCK**, THE **MONITOR** (JUST REPAIRED AFTER HER BATTLE WITH **MERRIMACK**), AND ESCORTING GUNBOATS. UNDER ORDERS TO SPEARHEAD THE ARMY'S ADVANCE AND "SHELL RICHMOND INTO SURRENDER," RODGERS WAS STYMIED BY CANNON ON THE HEIGHTS. WITH HIS IRON VESSELS DAMAGED, HE WAS COMPELLED TO WITHDRAW DOWNSTREAM.

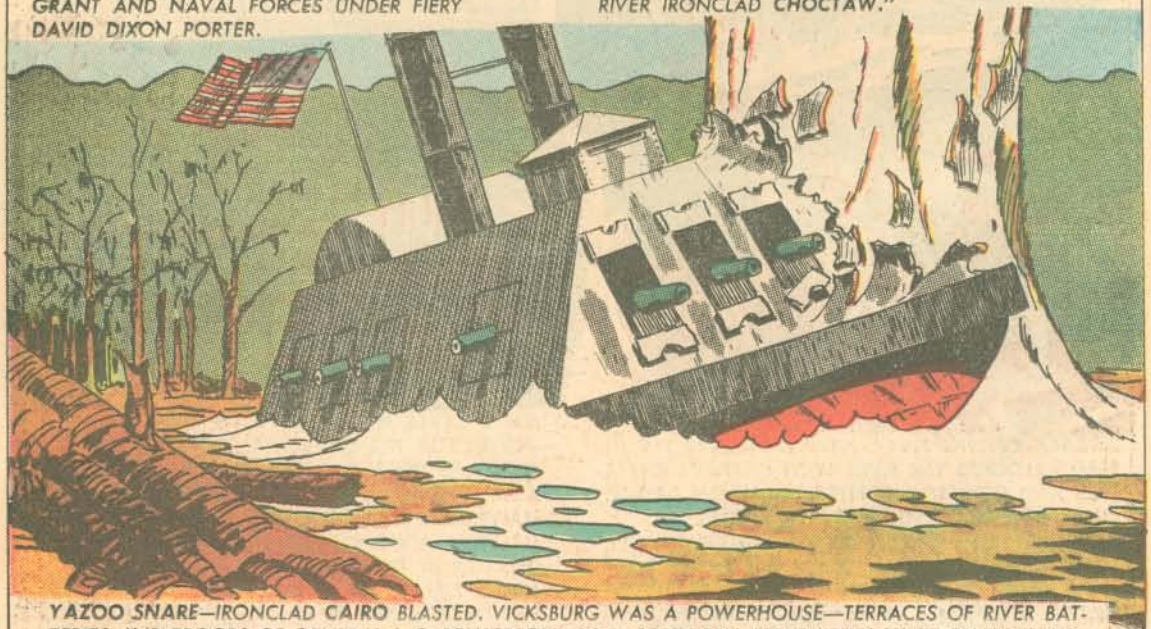
NAVY SAVES MCCLELLAN. JUNE 1862. A BAD MONTH FOR THE UNION ARMY. HURLED BACK FROM THE OUTSKIRTS OF RICHMOND, MCCLELLAN'S ARMY REELED BACK DOWN THE PENINSULA TO MALVERN HILL. AT HARRISON'S LANDING NEAR MALVERN, RODGERS' SQUADRON STAVED OFF DISASTER BY COVERING THE BOYS IN BLUE WITH NAVAL FIRE. THEN, AS MCCLELLAN'S EXHAUSTED TROOPS BOARDED RIVER TRANSPORTS, UNION SAILORS SHIELDED A MASSIVE WATER WITHDRAWAL, RESCUING THE ARMY IN A CIVIL WAR EQUIVALENT OF DUNKIRK. ONCE MORE A POUND OF SEAPOWER SAVED MANY TONS OF LAND POWER.

WINNING THE MISSISSIPPI

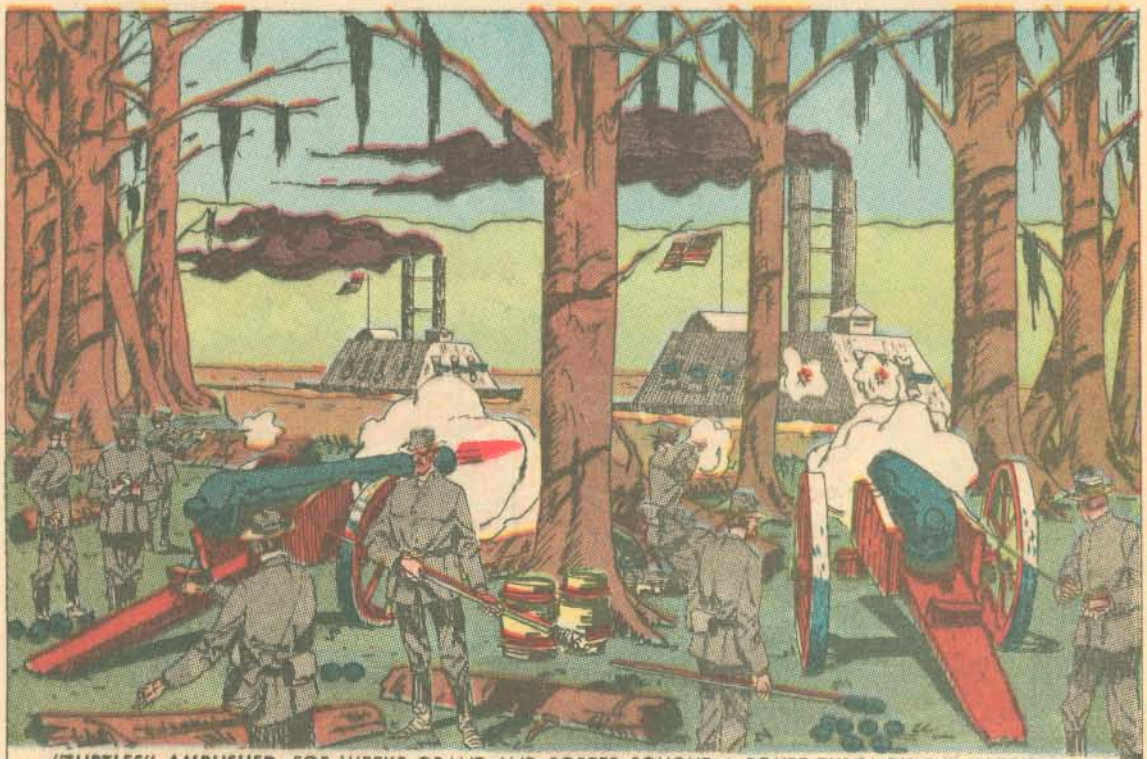
RIVER GIBRALTAR UNDER STARS AND BARS. AS THE MINI-CHART SHOWS, THE CONFEDERATE FORTRESS OF VICKSBURG CONTROLLED THE MISSISSIPPI MIDWAY BETWEEN MEMPHIS AND NEW ORLEANS. WITH CANNON COMMANDING THE RIVER, YANKEE SHIPPING COULD NOT GET DOWN TO THE DELTA. RICHMOND ORDERED VICKSBURG HELD AT ALL COST. WASHINGTON ORDERED THE STRONGHOLD CAPTURED. ASSAULT JOB FELL TO UNION ARMIES UNDER GRANT AND NAVAL FORCES UNDER FIERY DAVID DIXON PORTER.



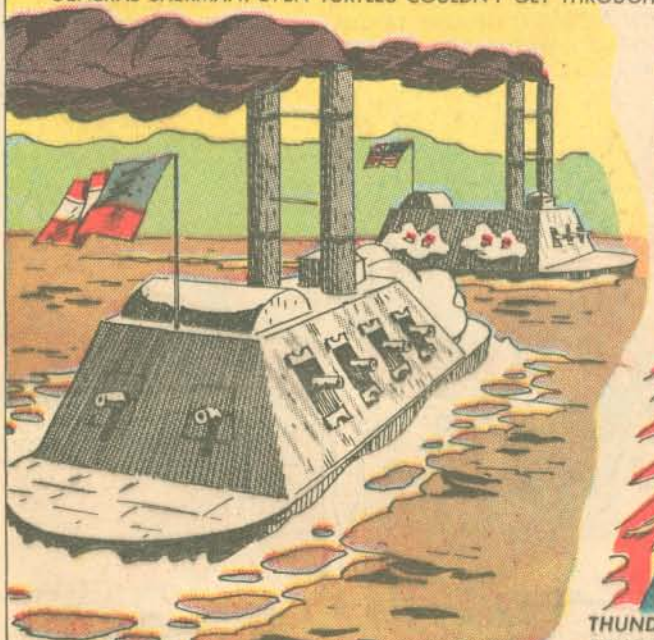
NAVY DRIVE ON VICKSBURG. ON BOARD NEW FLAGSHIP **BLACK HAWK**, PORTER PUT SPURS TO THE OLD CAIRO FLOTILLA. BY DECEMBER '62 HE HAD RUSTY VESSELS REJUVENATED, CREWS GEARED FOR ACTION. AFTER CONFERENCE WITH GRANT, HE HEADED DOWNRIVER, ALL GUNS LOADED FOR VICKSBURG. A COLORFUL CHARACTER LEADING A COLORFUL MISCELLANY OF TURTLES, "TINCLADS" AND SUCH WEIRD NEWCOMERS AS "MONSTER RIVER IRONCLAD **CHOCTAW**."



YAZOO SNARE—IRONCLAD **CAIRO** BLASTED. VICKSBURG WAS A POWERHOUSE—TERRACES OF RIVER BATTERIES AND TROOPS OF GENERAL J. C. PEMBERTON, C.S.A. SOUTHERN APPROACHES WERE GUARDED BY RIVER FORTS AT GRAND GULF. APPROACH FROM NORTH WAS BARRED BY SWAMP LAND OF THE YAZOO. GRANT HOPED TO LAUNCH A SURPRISE ATTACK THROUGH THE SWAMPS. RECONNOITERING THE TREACHEROUS YAZOO, TURTLE **CAIRO** WAS SUNK BY AN ENEMY MINE. THE REBS WERE EXPERT AT MINE WARFARE.

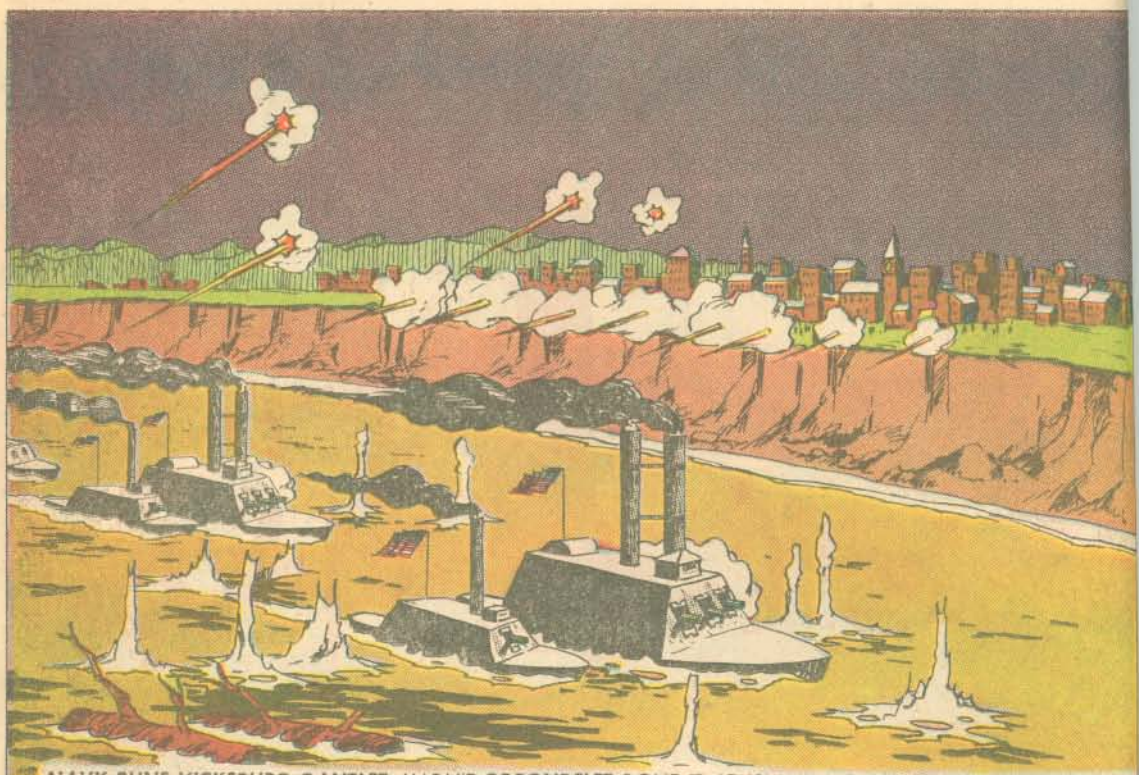


"TURTLES" AMBUSHED. FOR WEEKS GRANT AND PORTER SOUGHT A ROUTE THROUGH THE YAZOO MORASS. NO GO. PROBING A PATH FOR ARMY TRANSPORTS, PORTER'S GUNBOATS BECAME ENTANGLED IN A DEAD-END BAYOU. FLAYED BY REBEL FIRE, THEY WERE FINALLY RESCUED BY VANGUARD TROOPS OF GENERAL SHERMAN. EVEN TURTLES COULDN'T GET THROUGH THIS PARTICULAR SWAMP.

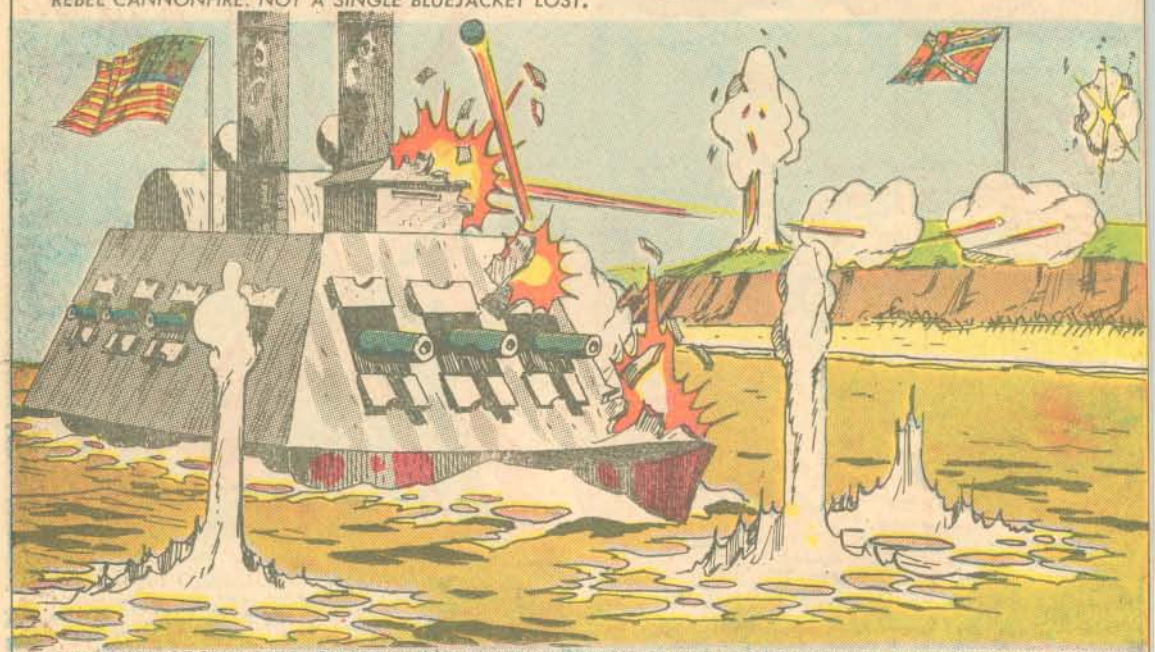


C.S.S. WEBB VS. U.S.S. INDIANOLA. IN MARCH '63 PORTER ORDERED UNION IRONCLAD **INDIANOLA** TO RUN THE VICKSBURG GANTLET AND CUT THE REBEL SUPPLY LINE BELOW THE CITY. PLAYING PIGEON FOR A SHOOTING GALLERY, SHE DODGED VICKSBURG'S GUNS, ONLY TO BE WAYLAID OFF NATCHEZ BY CONFEDERATE RAM **WEBB.** DRIVEN AGROUND, THE YANKEE VESSEL HAD TO STRIKE HER COLORS.

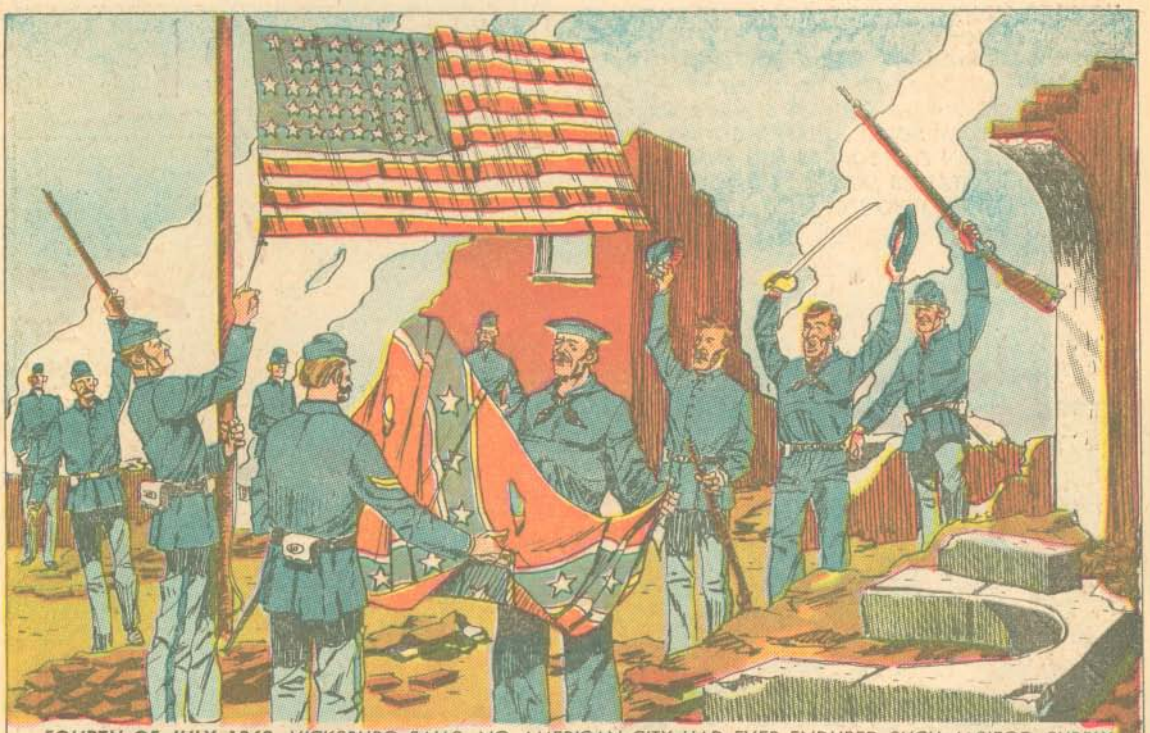
THUNDER AT PORT HUDSON. SAVAGE BATTLE EXPLODED WHEN FARRAGUT STEAMED UP FROM NEW ORLEANS IN EFFORT TO RESCUE **INDIANOLA.** IN FURIOUS EXCHANGE WITH SHORE BATTERIES, OLD FRIGATE **MISSISSIPPI** WAS SHOT TO WRECKAGE. **HARTFORD** AND A GUNBOAT GOT THROUGH TO BLOCKADE **WEBB** AT MOUTH OF THE RED RIVER. MEANTIME, THE CONFEDERATES, DECEIVED BY A DUMMY GUNBOAT SENT DOWNRIVER BY PORTER, HAD BLOWN UP THE CAPTIVE **INDIANOLA.**



NAVY RUNS VICKSBURG GANTLET. HADN'T **CORONDELET** DONE IT AT ISLAND NO 10? SO WHY (PORTER ASKED) DIDN'T GRANT'S ARMY MARCH DOWN THE WESTERN SIDE OF THE MISSISSIPPI TO A POINT BELOW GRAND GULF? THEN THE TURTLES WOULD STEAM DOWN PAST VICKSBURG. AND NAVY WOULD FERRY THE BOYS IN BLUE ACROSS THE RIVER FOR A DRIVE ON VICKSBURG'S SOFT SOUTHERN UNDERBELLY. GRANT WAS FOR IT. PORTER GUARANTEED IT. AND ON THE NIGHT OF APRIL 16, 1863, SEVEN IRONCLADS AND A RAM, SHIELDED BY COAL BARGES, MADE THE DASH. A WILD RACE TO SAFETY THROUGH A HURRICANE OF REBEL CANNONFIRE. NOT A SINGLE BLUEJACKET LOST.



SLUGGING GRAND GULF. GUNFIRE RAGED WHEN PORTER'S GUNBOATS BOMBARDED REBEL DEFENSES BELOW VICKSBURG. THE TURTLES STUCK THEIR NECKS OUT, AND TOOK A CLAWING. BUT THE GRAND GULF BATTERIES WERE HARD HIT. THEN PORTER MOVED FARTHER DOWNRIVER TO CONDUCT FERRY OPERATIONS FOR GRANT. WITH THE UNION ARMY DIRECTLY BELOW VICKSBURG, THE CONFEDERATE STRONGHOLD WAS A GONER.



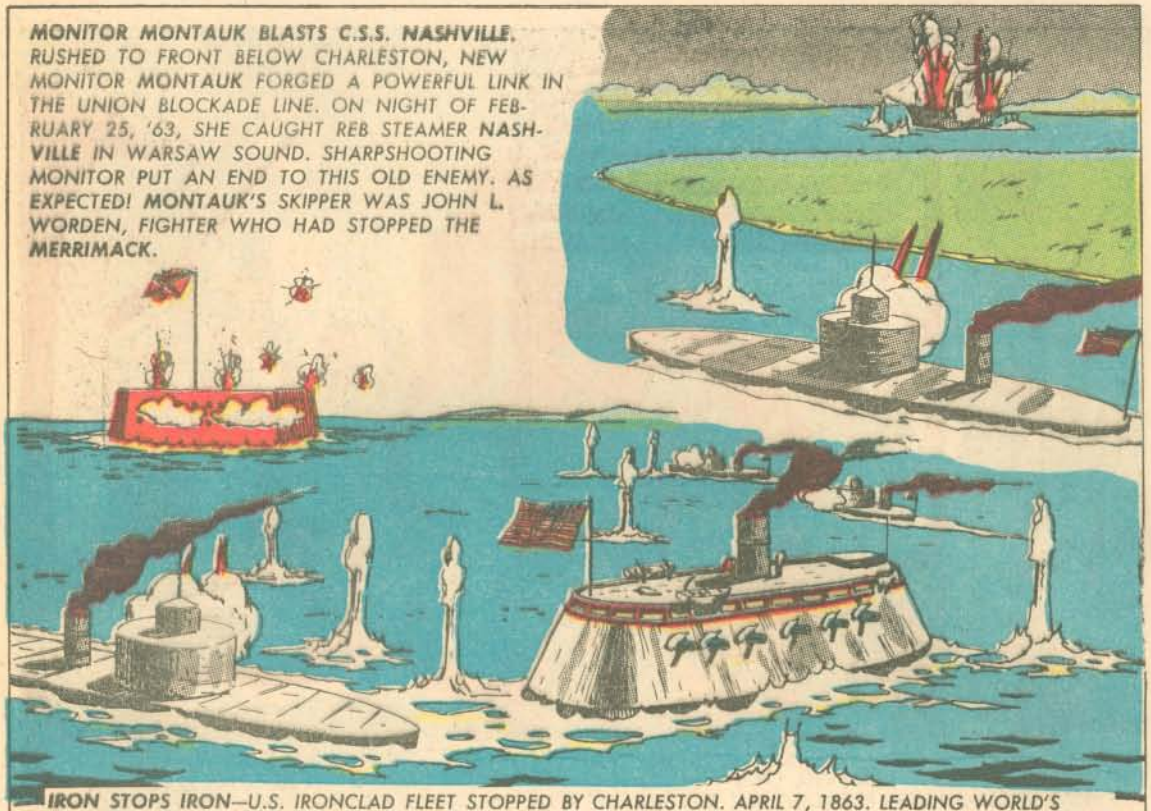
FOURTH OF JULY 1863—VICKSBURG FALLS. NO AMERICAN CITY HAD EVER ENDURED SUCH A SIEGE. SUPPLY LINES CUT, POPULACE STARVING, UNION ARMY AND NAVY GUNS SMASHING THE ROOFTOPS, VICKSBURG'S SITUATION WAS HOPELESS. ON JULY 4TH THE REBEL COMMANDER SURRENDERED. GRANT CREDITED THE NAVY FOR FULL SHARE IN A TITANIC VICTORY. LOSS OF THE MISSISSIPPI OPENED THE "DEEP SOUTH" TO THE UNION AND DOOMED THE CONFEDERACY.

ANVIL DEFIES HAMMER

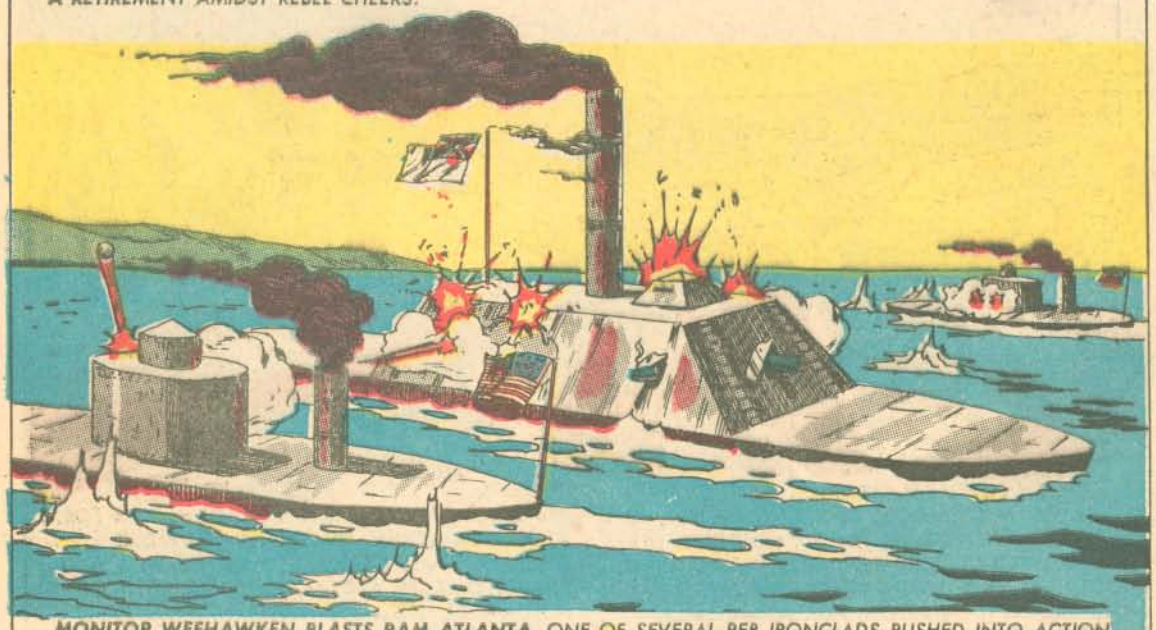
TOO TOUGH FOR U.S.N.—CHARLESTON, N.C., THE BIRTHPLACE OF SECESSION. BY SPRING OF '63 THE UNION NAVY HAD SEIZED THE SIX CONFEDERATE ATLANTIC STRONGHOLDS INDICATED ON INSIDE BACK COVER. AND WITH NORFOLK IN UNION HANDS, ONLY WILMINGTON, N.C. AND CHARLESTON, S.C., REMAINED AS MAJOR OCEAN PORTS UNDER STARS AND BARS. WILMINGTON COULD WAIT. UNION LEADERS WANTED SYMBOLIC CHARLESTON. GUARDED BY EIGHT HARBOR FORTS INCLUDING SUMTER AND MOULTRIE, CHARLESTON PROVED A MIGHTY TOUGH SYMBOL.

REB RAMS CAPTURE U.S.S. MERCEDITA. PLUS FORTS AT HARBOR MOUTH, CHARLESTON DEFENSES INCLUDED SMALL IRONCLAD RAMS **CHICORA** AND **PALMETTO STATE.** STRIKING OUT ON NIGHT OF JANUARY 31, 1863, THE MAKESHIFT REBEL RAMS BASHED AND CAPTURED UNION BLOCKADER **MERCEDITA.** CRIPPLED BY ENGINE TROUBLE, THEY WERE DRIVEN BACK BY BLOCKADER **KEYSTONE STATE** AND U.S. CRUISER **HOUSATONIC.** ANGRY UNION LEADERS THEN ORDERED U.S.N. TO TAKE CHARLESTON.

MONITOR MONTAUK BLASTS C.S.S. NASHVILLE. RUSHED TO FRONT BELOW CHARLESTON, NEW MONITOR **MONTAUK** FORGED A POWERFUL LINK IN THE UNION BLOCKADE LINE. ON NIGHT OF FEBRUARY 25, '63, SHE CAUGHT REB STEAMER **NASHVILLE** IN WARSAW SOUND. SHARPSHOOTING MONITOR PUT AN END TO THIS OLD ENEMY. AS EXPECTED! **MONTAUK'S** SKIPPER WAS JOHN L. WORDEN, FIGHTER WHO HAD STOPPED THE **MERRIMACK.**



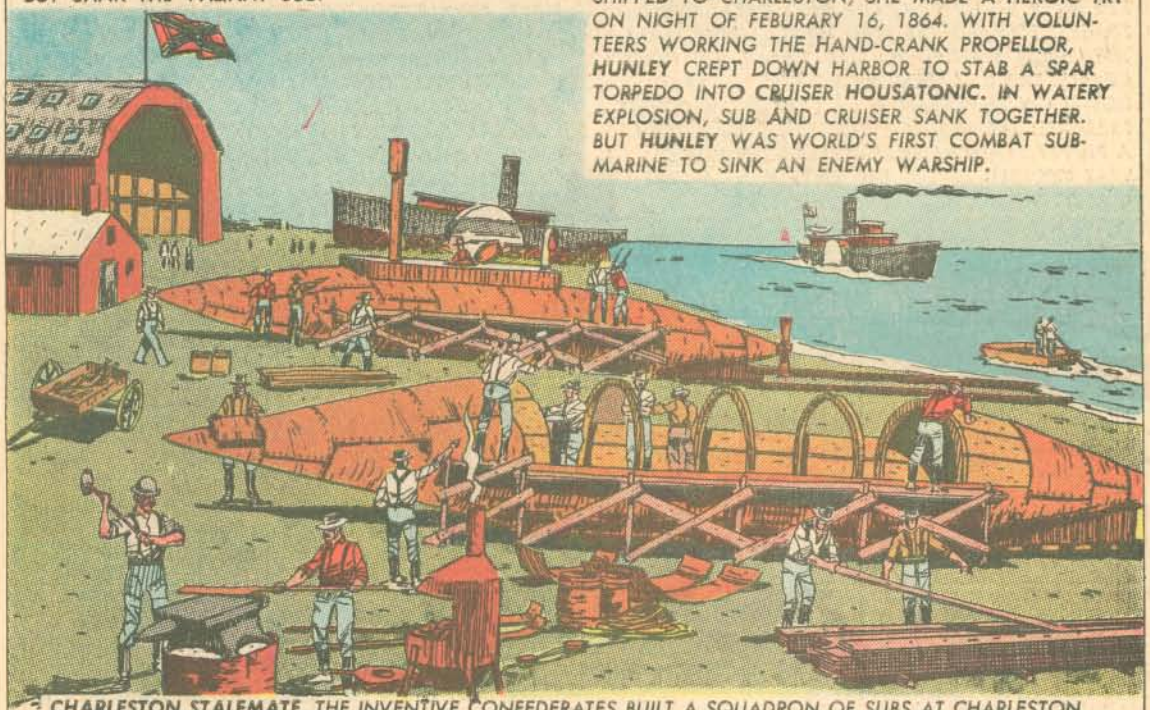
IRON STOPS IRON—U.S. IRONCLAD FLEET STOPPED BY CHARLESTON. APRIL 7, 1863. LEADING WORLD'S BIGGEST IRONCLAD ARMADA, FLAG OFFICER S. F. DUPONT DROVE A SLEDGEHAMMER NAVAL SMASH AT CHARLESTON HARBOR. UNION FLEET INCLUDED FLAGSHIP **NEW IRONSIDES,** MONITORS **MONTAUK, CATSKILL, NANTUCKET, PATAPSCO, WEEHAWKEN,** TURRET VESSEL **KEOKUK.** AND? ORDERED TO BLAST SUMTER, THE MONITORS MANAGED ONLY 139 SHOTS. SUMTER AND MOULTRIE GAVE BACK 2,200. **NEW IRONSIDES** GOT OFF ONE SALVO. WITH EVERY MONITOR DAMAGED, **KEOKUK** FATALLY DISABLED, DUPONT ORDERED A RETIREMENT AMIDST REBEL CHEERS.



MONITOR WEEHAWKEN BLASTS RAM ATLANTA. ONE OF SEVERAL REB IRONCLADS RUSHED INTO ACTION ON ATLANTIC FRONT, RAM **ATLANTA** STEAMED FROM HER GEORGIA LAIR IN JUNE '63. SHE WAS QUICKLY WAYLAID IN WARSAW SOUND BY U.S. MONITORS **WEEHAWKEN** AND **NAHANT.** SLOW, LEAKY, WITH CRANKY ENGINES, SHE WAS NO MATCH FOR THE "FIGHTING RAFTS." PUNCTURED BY FOUR SHOTS FROM **WEEHAWKEN,** THE GEORGIA IRONCLAD SURRENDERED.

CONFEDERATE SUB VS. NEW IRONSIDES. STYMIED OFF CHARLESTON, THE U. S. IRON FLEET HELD THE BLOCKADE. LOCKED IN, REBEL NAVAL FORCES UNDER COMMODORE DUNCAN INGRAHAM RUSTED AT ANCHOR. THEN, ON NIGHT OF OCTOBER 5, 1863, THE CONFEDERATES STRUCK WITH A SECRET WEAPON. SUBMARINE **DAVID**—A STEAM DRIVEN SUBMERSIBLE. CREEPING OUT OF HARBOR, THE LITTLE SUB JAMMED A SPAR TORPEDO INTO **NEW IRONSIDES.** BLAST DISABLED THE UNION IRONCLAD, BUT SANK THE VALIANT SUB.

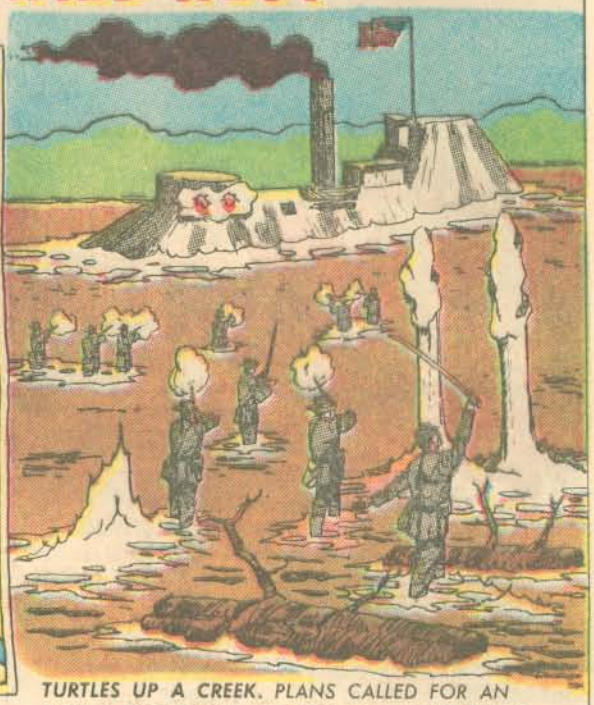
CONFEDERATE SUB SINKS U.S.S. HOUSATONIC. THE SUB'S NAME WAS **HUNLEY.** REBS CALLED HER "THE FLOATING COFIN." BUILT IN MOBILE BY H. L. HUNLEY, SHE DROWNED FIVE TRIAL CREWS AND HER INVENTOR BEFORE SHE WAS READIED FOR ACTION. SHIPPED TO CHARLESTON, SHE MADE A HEROIC TRY ON NIGHT OF FEBURARY 16, 1864. WITH VOLUNTEERS WORKING THE HAND-CRANK PROPELLOR, **HUNLEY** CREPT DOWN HARBOR TO STAB A SPAR TORPEDO INTO CRUISER **HOUSATONIC.** IN WATERY EXPLOSION, SUB AND CRUISER SANK TOGETHER. BUT **HUNLEY** WAS WORLD'S FIRST COMBAT SUBMARINE TO SINK AN ENEMY WARSHIP.



CHARLESTON STALEMATE. THE INVENTIVE CONFEDERATES BUILT A SQUADRON OF SUBS AT CHARLESTON. LIKE THE LOCAL RAMS, THEY COULD NOT GET OUT. BUT THE UNION'S IRONCLAD FLEET COULD NOT GET IN PAST SUMTER. U. S. STRATEGISTS LEARNED ANOTHER LESSON. WHY WASTE HAMMER BLOWS ON AN ANVIL WHEN A BROGAN COULD KICK IN THE SIDE DOOR? BUT THE UNION LEADERS SAW CHARLESTON AS SYMBOLIZING A CRADLE, NOT A BLACKSMITH'S SHOP. AND SYMBOLS CAN BE DELUDING. NAVY-WISE, THE CRADLE OF SECESSION TURNED OUT TO BE SOLID IRON.

NAVY IN WILD WEST

RED RIVER VALLEY—WATER ROAD TO TEXAS. IT BEGAN IN MARCH 1864. U. S. NAVY'S STRANGEST CIVIL WAR CAMPAIGN. LOOK AT THE CHART. THE RED RIVER WANDERING OFF INTO GREAT OPEN SPACES. TOWARD THE WILD WEST. ABOVE TEXAS. THE UNION WANTED TO GAIN TEXAS. BUT MOST OF ALL, THE U. S. LEADERS WANTED TO BEAR DOWN ON NAPOLEAN III OF FRANCE, WHO HAD BREACHED THE MONROE DOCTRINE AND SET UP A PUPPET STATE IN MEXICO. SO D. D. PORTER WAS ORDERED UP THE RED RIVER WITH A "TIN-CLAD" SQUADRON. TARGET: SHREVEPORT, LA.



TURTLES UP A CREEK. PLANS CALLED FOR AN AMPHIB OPERATION. BUT GENERAL N. P. BANKS WITH UNION ARMY FORCES DELAYED. ARMY'S LATE ARRIVAL AT THE RIVER RENDEZVOUS, THREW THE NAVY ADVANCE OUT OF GEAR. REASON: THE RED RIVER CHANNEL WENT LOW IN EARLY SPRING. HEADING UPSTREAM WITH 12 VESSELS, U. S. RIVER MONITOR **OSAGE** RAN AGROUND IN MID APRIL. REBELS ATTACKED FROM SHORE. OLD TIMBER-CLAD **LEX** ARRIVED IN TIME TO SAVE DAY. NAVY GUNFIRE DROVE OFF THE ATTACKERS. CLOSE CALL FOR **OSAGE.**

WATER OVER THE DAM. HALF WAY TO SHREVEPORT, PORTER'S SQUADRON WAS SCRAPING BOTTOM. AND GENERAL BANKS WAS RETREATING BACK TO BASE WITH REBEL FORCES AT HEEL. STUCK WITH A ONE-SIDED AMPHIB, AND SHALLOW WATER TO BOOT, PORTER HAD TO TURN BACK. NEAR ALEXANDRIA BASE, THE RIVER DRAINED AWAY. GENERAL BANKS URGED PORTER TO ABANDON THE SQUADRON. COL. JOSEPH BAILEY OF THE ARMY OFFERED TO BUILD A DAM AND FLOAT THE GUNBOATS CLEAR. THE DAM WAS BUILT. THEN OPENED. JUMPING LOGS AND SANDBARS, THE GUNBOATS GOT BACK TO BASE. RED RIVER AMPHIB WAS FIASCO. BUT IT DID SCARE THE FRENCH IN MEXICO.

HIGH SEAS WARFARE

REBEL RAIDERS VS. UNION CRUISERS

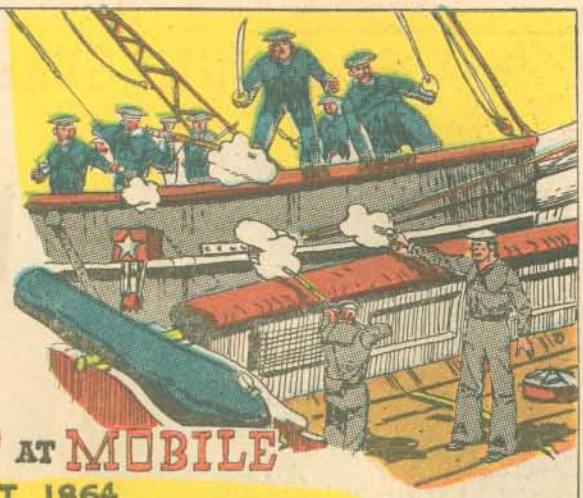
RAPHAEL SEMMES IN ACTION. COMMERCE WARFARE. AN ASSAULT ON NORTHERN SHIPPING. C.S.N. ON THE OCEAN. OBJECTIVES: (1) TO DISRUPT UNION OVERSEAS TRADE; (2) TO DRAW U.S. CRUISERS AWAY FROM THE BLOCKADE; (3) TO CONVINCE EUROPE THE SOUTH HAD NAVAL POWER. IT WAS A HIT-RUN, HIDE-AND-SEEK GAME. CHAMPION PLAYER, RAPHAEL SEMMES WON EARLY ROUND AS CAPTAIN OF C. S. RAIDER **SUMTER**, SHOWN BURNING UNION FREIGHTER **NEAPOLITAN** IN STRAITS OF GIBRALTAR.

RAIDER ALABAMA SINKS U.S.S. HATTERAS. REMEMBER MR. BULLOCH, CONFEDERATE SECRET AGENT SENT TO ENGLAND TO BUY WARSHIPS? WELL, HE BOUGHT SOME INCLUDING A CRUISER NUMBERED "290." WHICH PROVED A SORRY NUMBER FOR UNION SHIPPING. LEAVING ENGLAND IN 1862, SHE RAN UP STARS AND BARS AS RAIDER **ALABAMA.** ABOARD CAME TOUGH BRITISH TARS—AND CAPTAIN SEMMES. WINNING EASY PRIZES, SHE ENTERED THE GULF OF MEXICO. EARLY IN JANUARY 1863 SHE SURPRISED AND SANK BLOCKADER **HATTERAS** IN FIERCE FIGHT OFF GALVESTON.

"FALCON OF THE SEAS." IN CARIBBEAN, SOUTH ATLANTIC AND ASIAN WATERS, SEMMES AND **ALABAMA** LEFT A TRAIL OF FIRE. OTHER CONFEDERATE RAIDERS JOINED THE GAME. **GEORGIA. FLORIDA. SHENANDOAH.** THEY HIT NORTHERN SHIPPING HARD BLOWS. BUT THE HARDEST WERE DEALT BY RAPHAEL SEMMES. "OLD BEESWAX" TO HIS CREW. "PIRATE" TO THE NORTH. CHEERED BY ALL THE SOUTH AS "FALCON OF THE SEAS."

U.S.S. KEARSARGE SINKS ALABAMA. TARGET OF THE GREATEST SEA HUNT IN NAVAL HISTORY, **ALABAMA** LED UNION WARSHIPS A MERRY CHASE. HARE BEFORE HOUNDS, SHE FINALLY DASHED INTO CHERBOURG, FRANCE, FOR REPAIRS. THERE SHE WAS TRAPPED BY U. S. CRUISER **KEARSARGE.** SEMMES PROPOSED A NAVAL DUEL. **KEARSARGE'S** CAPTAIN JOHN WINSLOW SQUARED AWAY FOR ACTION. SUNDAY, JUNE 19, 1864. IN SLAMBANG COMBAT OFF FRENCH COAST, THE YANKEE GUNNERS WON. DOWN WENT THE RAIDER **ALABAMA.**

U.S.S. WACHUSETT CAPTURES FLORIDA—JUST BY LUCK AND THE GRIT OF CAPTAIN NAPOLEON COLLINS, U.S.N. SOON AFTER THE **KEARSARGE** VICTORY, CRUISER **WACHUSETT** PUT IN AT BAHIA, BRAZIL. THEN IN CAME RAIDER **FLORIDA**. SHEER COINCIDENCE. NEUTRAL HARBOR DID NOT STOP NAPOLEON COLLINS FROM RAMMING AND CAPTURING THE REBEL. IT COST COLLINS A COURT-MARTIAL, THE U.S. AN APOLOGY TO BRAZIL—AND THE SOUTH A VALUABLE RAIDER. AFTER **FLORIDA'S** CAPTURE, THE COMMERCE WAR PETERED OUT. BUT NORTHERN SHIPPING HAD BEEN HARD HIT.



FARRAGUT AT MOBILE

AUGUST 1864

CRASHING MOBILE BAY—MONITOR **TECUMSEH** GOES DOWN. MOBILE, THE LAST BIG CONFEDERATE PORT ON THE GULF. ORDERS WENT TO FARRAGUT IN JULY '64. TAKE IT! SO U. S. FLAGSHIP **HARTFORD** LED 7 OTHER STEAM CRUISERS, 6 GUNBOATS AND 3 MONITORS TO MOBILE. OFFSHORE, FARRAGUT STUDIED THE DEFENSES. TWO BIG FORTS GUARDED THE NARROW ENTRY. IN THE BAY WAITED NEW REBEL IRONCLAD **TENNESSEE**. AND THE HARBOR MOUTH WAS MINED! BUT FARRAGUT DROVE IN. SOMEONE MUFFED AN ORDER. MONITOR **TECUMSEH** VEERED OUT OF LINE AND HIT A MINE. **WHAM!** A FATAL BLAST.

"DAMN THE TORPEDOES!" UNDAUNTED BY **TECUMSEH** DISASTER, FARRAGUT ORDERED HIS FLEET, "FULL SPEED AHEAD!" NO NAVAL OFFICER TODAY WOULD DARE IGNORE A MINE FIELD. BUT AS FARRAGUT SUSPECTED, MOST OF THE MOBILE MINES WERE MAKESHIFT AND DEFECTIVE. HURLING BROADSIDES AT THE FORTS, THE UNION FLEET GOT THROUGH. MOBILE WAS DOOMED.

DEATH OF REBEL IRONCLAD TENNESSEE. HER CAPTAIN WAS FRANKLIN BUCHANAN, FIRST SKIPPER OF THE FAMOUS **MERRIMACK**. WHEN HE SAW FARRAGUT HALT IN MID BAY, BUCHANAN DROVE THE **TENNESSEE** OUT TO ATTACK. REMARKING, "I DIDN'T THINK BUCHANAN SUCH A FOOL," FARRAGUT ORDERED THE IRONCLAD DESTROYED. IN WILD MELEE, **HARTFORD** AND **TENNESSEE** FIRED BEAM TO BEAM. THEN MONITORS **MANHATTAN** AND **CHICKASAW** BOXED THE IRONCLAD. WITH 15-INCH GUNS THEY HAMMERED THE CONFEDERATE VESSEL TO JUNK. SO THE STARS AND BARS CAME DOWN AT MOBILE.

FORT FISHER KNOCK-OUT

FATAL BLOW TO LEE

IRON DOOR TO WILMINGTON—FORT FISHER, N. C. AUGUST, 1864. AFTER 3½ YEARS OF CIVIL WAR, THE SOUTH RETAINS ONLY TWO MAJOR SEAPORTS. BUT CHARLESTON IS BOTTLED UP. WILMINGTON ALONE REMAINS OPEN TO CONFEDERATE BLOCKADE-RUNNERS. LEE'S LAST SUPPLY LINE FOR WAR SUPPLIES FROM EUROPE, WILMINGTON FEEDS THE GRAY ARMY DEFENDING RICHMOND. UNION LEADERS PLAN A MASSIVE AMPHIB TO CRASH FORT FISHER, THE SEACOAST BASTION DEFENDING WILMINGTON.

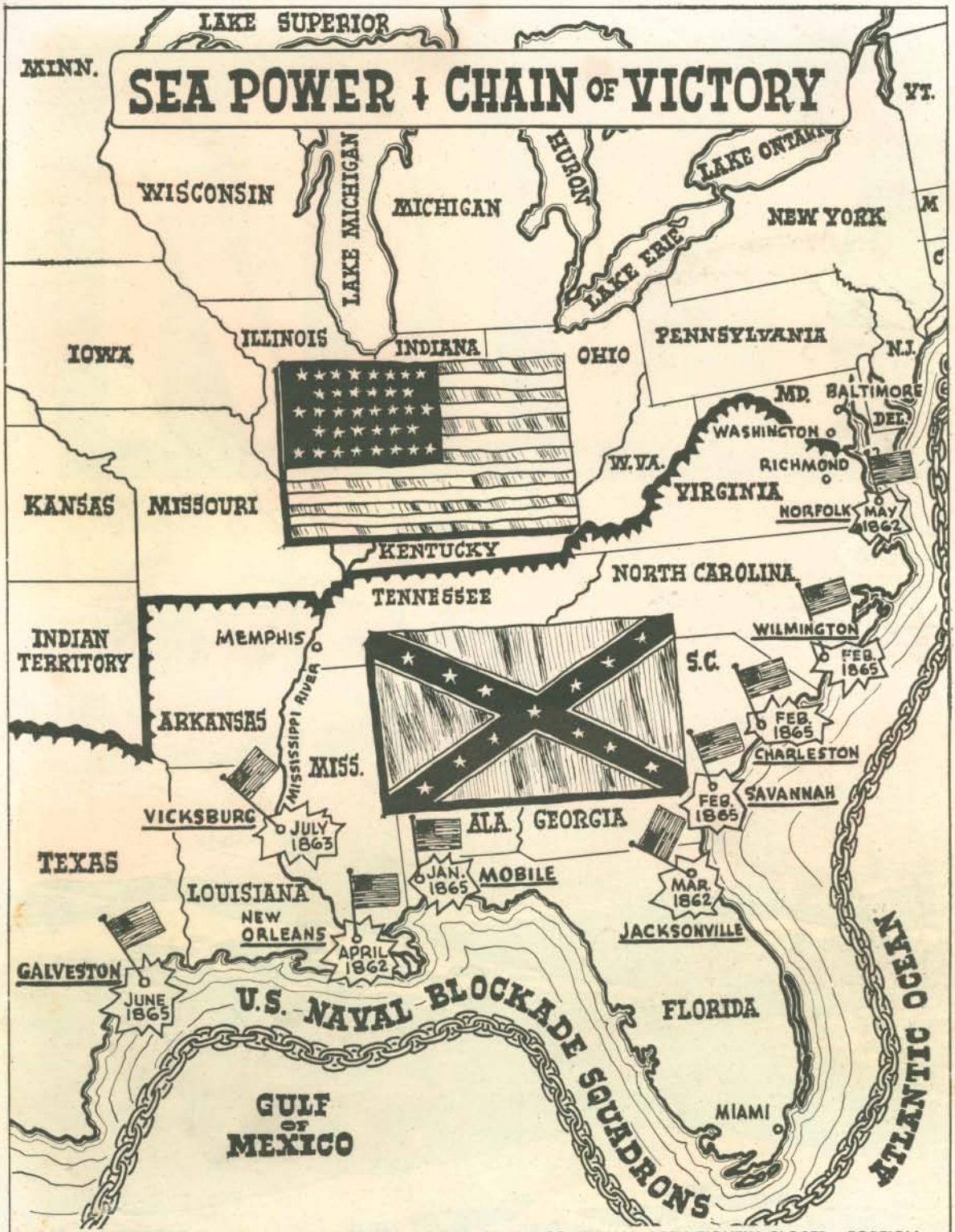
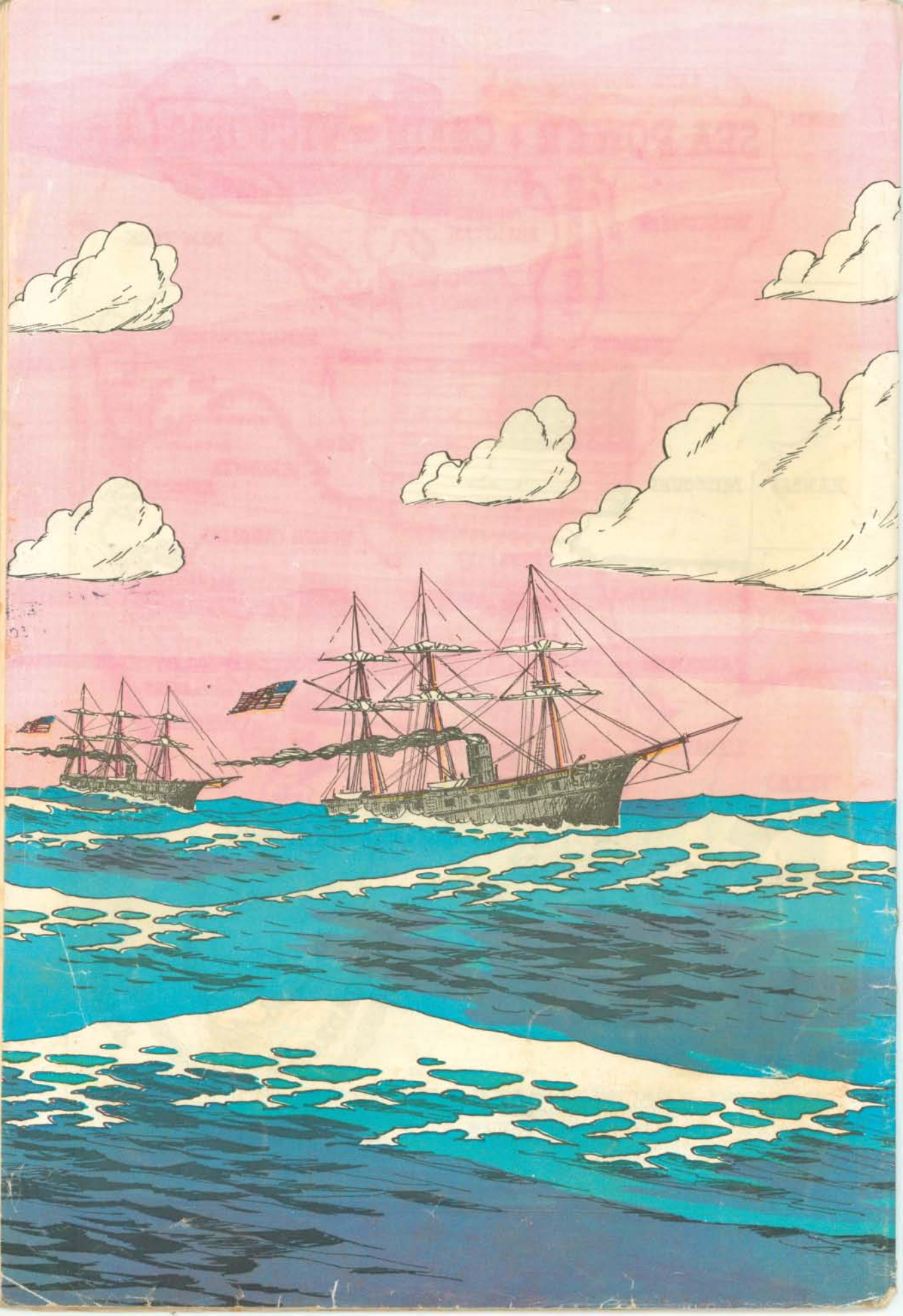
CUSHING SINKS REBEL IRONCLAD ALBEMARLE. SHE WAS BUILT UP THE ROANOKE RIVER—ANOTHER RAM, TO CHALLENGE THE BLOCKADE. IN SPRING OF '64 SHE SMASHED TWO UNION BLOCKADERS. ENGINE TROUBLE CRIPPLED HER. BUT IN HER RIVER LAIR SHE MENACED THE UNION SEA LANE TO WILMINGTON UNTIL LIEUTENANT WM. CUSHING, U.S.N., VOLUNTEERED TO SINK THE MENACE. OCTOBER NIGHT, 1864. VENTURING UP THE ENEMY RIVER, CUSHING AND DAREDEVIL BLUEJACKETS DID THE JOB. ONE SMALL LAUNCH. ONE SPAR TORPEDO. ONE THUNDERCLAP EXPLOSION. END OF REBEL IRONCLAD **ALBEMARLE.**

NAVY CLOBBERS FORT FISHER. DECEMBER 1864. THE LARGEST FLEET ACTION OF THE CIVIL WAR. FLAG OFFICER D. D. PORTER, U.S.N., WITH FOUR BIG NEW MONITORS, IRONCLAD **NEW IRONSIDES,** 26 WOODEN WARSHIPS AND SQUADRON OF ARMED STEAMERS. OVER 600 NAVAL GUNS! FIRE POWER OF 115 SHOTS A MINUTE! FOR THREE WEEKS THE FORT WAS POUNDED. REB DEFENDERS UNDER COL. WILLIAM LAMB, C.S.A. FOUGHT BACK VALIANTLY. BUT THE FORT WAS FINALLY BLOWN TO SHAMBLES.

FORT FISHER FINISH. JANUARY 15, 1865. SOMEONE MUFFED AN ORDER. AND 2,000 BLUEJACKETS AND MARINES WERE SENT ASHORE TO STORM THE REBEL BATTERIES WITH CUTLASS AND PISTOL. CARNAGE RAGED AS REBEL CANNON STOPPED THE ASSAULT. BUT FISHER FINALLY FELL UNDER BOMBARDMENT. UNION AMPHIB FORCES SWEPT INTO WILMINGTON, CAPTURING THE SOUTH'S LAST SUPPLY BASE.

CONFEDERATE CRUISER STONEWALL—A FORLORN HOPE. WITH SUPPLIES FROM EUROPE CUT OFF, LEE'S ARMY AT RICHMOND WAS DOOMED. DESPERATE, THE CONFEDERATES PINNED LAST HOPES ON A POWERFUL IRONCLAD WARSHIP BUILT IN FRANCE. ELUDING UNION PATROLS, FRENCH-BUILT **STONEWALL** RACED ACROSS THE ATLANTIC. IN APRIL '65 SHE DODGED INTO HAVANA, CUBA ONLY TO LEARN THAT LEE HAD SURRENDERED. **STONEWALL** WAS TOO LITTLE, TOO LATE.

SEA POWER WINS. AT WAR'S END THE U.S. NAVY HELD EVERY MAJOR SOUTHERN SEAPORT, CONTROLLED THE MISSISSIPPI, AND GRIPPED THE SOUTH'S COASTLINE IN AN IRON BLOCKADE. KING COTTON HAD DIED ON THE VINE. AND SO HAD THE CONFEDERATE WAR EFFORT, STARVED FOR LACK OF COMMERCIAL BACKING AND MILITARY SUPPLIES. BLUE AND GRAY HAD FOUGHT TREMENDOUS LAND BATTLES. BUT SEA POWER HAD TURNED THE WAR TIDE. SEA POWER—AND THE SCIENTIFIC MIND THAT THOUGHT OF HORSE POWER IN TERMS OF ENGINES INSTEAD OF CAVALRY.



TOTAL BLOCKADE—BY EARLY 1865 THE SEA DOORS OF THE SOUTH HAD BEEN TIGHTLY CLOSED. FOREIGN AID WAS CUT OFF. CONFEDERATE COMMERCE WAS RUINED. THE U. S. NAVY HAD FORGED THE FINAL LINKS IN A BLOCKADE OF THE SOUTHERN COASTLINE. WITH HER DOORS CLOSED TO OUTSIDE HELP THE FRUITS OF VICTORY WITHERED ON THE VINE. THE SOUTH WAS SUNK. A GREAT NATION STOOD UNDIVIDED. "NEVER BEFORE DID SEAPOWER PLAY A MORE DECISIVE PART", ACCORDING TO ADMIRAL ALFRED THAYER MAHAN, "THAN IN THE CONTEST WHICH DETERMINED THE EXISTENCE OF ONE GREAT NATION INSTEAD OF SEVERAL RIVAL STATES IN THE NORTH AMERICAN CONTINENT."